

Microsoft

Exam Questions 70-480

Programming in HTML5 with JavaScript and CSS3



NEW QUESTION 1

You are developing a customer contact form that will be displayed on a page of a company's website. The page collects information about the customer. If a customer enters a value before submitting the form, it must be a valid email address. You need to ensure that the data validation requirement is met. What should you use?

- A. `<input name="email" type="url"/>`
- B. `<input name="email" type="text" required="required"/>`
- C. `<input name="email" type="text"/>`
- D. `<input name="email" type="email"/>`

Answer: D

Explanation:

Example:

```
<form> E-mail:
```

```
<input type="email" name="email">
```

```
</form> Reference:
```

http://www.w3schools.com/html/html5_form_input_types.asp

NEW QUESTION 2

DRAG DROP

You are developing a form that captures a user's email address by using HTML5 and jQuery.

The form must capture the email address and return it as a query string parameter. The query string parameter must display the @ symbol that is used in the email address.

You need to implement this functionality.

How should you develop the form? (To answer, drag the appropriate code segment to the correct target or targets in the answer area)

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

* The `serialize()` method creates a URL encoded text string by serializing form values.

You can select one or more form elements (like input and/or text area), or the form element itself. The serialized values can be used in the URL query string when making an AJAX request.

Example: `$("#form").serialize();`

* `decodeURIComponent`

The `decodeURIComponent()` function decodes a URI component. Return Value: A String, representing the decoded URI

Incorrect:

Not `decodeURI`:

`decodeURI` is intended for use on the full URI.

`decodeURIComponent` is intended to be used on .. well .. URI components that is any part that lies

between separators (`;/?:@&=+$,#`).

Reference: jQuery `serialize()` Method http://www.w3schools.com/jquery/ajax_serialize.asp http://www.w3schools.com/jsref/jsref_encodeuri.asp

NEW QUESTION 3

You need to test the value of the following variable in JavaScript. `var length = "75";`

A block of code must execute if the length equals 75 regardless of the data type. You need to use the statement that meets this requirement.

Which lines of code should you use? (Each correct answer presents a complete solution. Choose two.)

- A. `if (length == 75)`
- B. `if (length = 75)`
- C. `if (length! = 75)`
- D. `if (length == "75")`

Answer: BD

Explanation:

When comparison is made using double-equals operator (`==`), it will check the values of variable and convert them to a common type and returns true if both are equals. So comparing number with string having the same value will return true.

Examples: examples: 1

```
console.log(23 == "23"); // true
```

2

```
console.log(1 == true); // true
```

Incorrect: `not ===`: This is "strict" or "identical" equality.

Reference: JavaScript Triple Equals Operator vs Double Equals Operator (`===` vs `==`)

NEW QUESTION 4

DRAG DROP

You are developing a website that has many web pages with hyperlinks to other sites.

You need to ensure that if a hyperlink contains an image, the linked web page opens in a new window.

Which jQuery code segment or segments should you use? (To answer, drag the appropriate line of code to the correct location. Each line of code may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.)

```

$("a img").each(function () {
    $(this).parent().attr('target', '_blank')
})
$("a").each(function () {
    $(this).attr('target', '_blank')
})
    
```

Answer Area

```

<!DOCTYPE html>
<html>
<head>
  <title></title>
  <script src="http://code.jquery.com/jquery-latest.js">
  </script>
</head>
<body>
  <a href="http://www.microsoft.com">
    
  </a>
</body>
<script>
  $(document).ready(function () {
    [ ]
    [ ]
  });
});
</script>
</html>
    
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

- * a img
- All elements that are descendants of an element.
- * (this).parent
- This is the element and is the parent.

NEW QUESTION 5

You are developing a page that includes text and an illustration. The web page resembles the following image.



You have the following requirements:

The illustration must be in the center of the page.

The text must flow around the left, right, top, and bottom of the illustration. You need to ensure that the layout of the web page meets the requirements. Which line of code should you use?

- A. -ms-wrap-flow: both;
- B. -ms-wrap-flow: clear;
- C. -ms-wrap-flow: maximum;
- D. -ms-wrap-flow: auto;

Answer: A

Explanation:

- . -ms-wrap-flow

Gets or sets a value that specifies how exclusions impact inline content within block-level elements. Syntax
 -ms-wrap-flow: auto | both | start | end | maximum | clear both
 Inline flow content can flow on all sides of the exclusion.
 Reference: -ms-wrap-flow property
[http://msdn.microsoft.com/en-us/library/ie/hh673558\(v=vs.85\).aspx](http://msdn.microsoft.com/en-us/library/ie/hh673558(v=vs.85).aspx) <http://dev.w3.org/csswg/css3-exclusions/>

NEW QUESTION 6

DRAG DROP

You are developing a web application that retrieves data from a web service. The data being retrieved is a custom binary datatype named bint. The data can also be represented in XML.

Two existing methods named parseXml() and parseBint() are defined on the page. The application must:

Retrieve and parse data from the web service by using binary format if possible

Retrieve and parse the data from the web service by using XML when binary format is not possible You need to develop the application to meet the requirements.

What should you do? (To answer, drag the appropriate code segment to the correct location. Each code segment may be used once, more than once, or not at all.

You may need to drag the split bar

between panes or scroll to view content.)

if (request.getResponseHeader("Content-Type") == "application/bint")

if (type == "application/bint")

if (request.mimeType == "application/bint")

accepts: 'application/bint, text/xml',

contentType: 'application/bint, text/xml',

dataType: 'application/bint, text/xml',

```

var request = $.ajax({
    uri: '/',
    dataFilter: function (data, type) {
        return parseBint(data);
        else
            return parseXml(data);
    },
    success: function (data) {
        start(data);
    }
});
    
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

* accepts : 'application/bint, text/xml'
 accepts:'application/bin,text/xml' to accept only XML and binary content in HTML responses.
 * Use the following condition to check if the html response content is binary: If(request.getResponseHeader("Content-Type")== "application/bint")
 * var request = \$.ajax({ uri: '/',
 accepts: 'application/bint, text/xml', datafilter: function(data,type){
 if(request.getResponseHeader("Content-Type")== "application/bint")
 return parseBint(data); else
 return parseXml();
 },
 success: function (data) { start(data);

```
}
});
```

NEW QUESTION 7

DRAG DROP

You are creating a web worker for an HTML5 application.

The following tasks must be performed from within the web worker: Register an event listener for the web worker

Start and stop the web worker

You need to define a function that performs the required tasks.

Which line of code should you use? (To answer, drag the appropriate line or lines of code to the correct location or locations. Each line of code may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.)

self.postMessage('Worker: ' + data);

self.addEventListener('message', function(event));

self.attachEvent('Worker', data);

self.terminate();

self.close();

```

var data = event.data;
switch (data.cmd) {
  case 'start':
    [ ]
    break;
  case 'stop':
    [ ]
    break;
  default:
    self.postMessage('Try again: ' + data.msg);
};
}, false);
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

* addEventListener

The addEventListener() method attaches an event handler to the specified element.

In context of a worker, both self and this refer to the global scope. The worker can either add an event listener for the message event, or it can define the onmessage handler to listen for any messages sent by the parent thread.

* postmessage

Pass a message to the worker.

* close()

Terminating Workers

Workers are resource-intensive; they are OS-level threads. Therefore, you do not want to create a large number of worker threads, and you should terminate the web worker after it completes its work. Workers can terminate themselves, like this:

```
self.close();
```

Reference: HTML DOM addEventListener() Method; The Basics of Web Workers

NEW QUESTION 8

You are developing a web application that uses web workers to process images extracted from an HTML5 CANVAS object on a web page.

You need to pass messages between the web workers and the web page.

Which three types of objects should you use? (Each correct answer presents a complete solution. Choose three.)

- A. JSON
- B. Window
- C. Parent
- D. String
- E. JavaScript
- F. DOM

Answer: ADE

Explanation:

* Example:

```
var myHelloWorker = new Worker('helloworkers.js');
```

You'll then start the worker (and thus a thread under Windows) by sending it a first message: `myHelloWorker.postMessage()`;

Indeed, the Web Workers and the main page are communicating via messages. Those messages can be formed with normal strings or JSON objects.

* (E) The Web Workers API makes it possible to execute a JavaScript file asynchronously and autonomously. A web worker is essentially a thread executing a JavaScript file.

* (A, D) In the first implementations of web workers the browsers only allowed strings to be exchanged as messages. However, recent implementations allow for exchange of values or JSON objects.

Reference: HTML5 Web Workers

NEW QUESTION 9

You are modifying a blog site to improve search engine readability.

You need to group relevant page content together to maximize search engine readability. Which tag should you use?

- A. <nav>
- B. <article>
- C.
- D. <div>

Answer: B

Explanation:

The <article> tag specifies independent, self-contained content.

An article should make sense on its own and it should be possible to distribute it independently from the rest of the site.

Potential sources for the <article> element: Forum post

Blog post News story Comment

Reference: HTML <article> Tag http://www.w3schools.com/tags/tag_article.asp http://www.w3schools.com/html/html5_new_elements.asp

NEW QUESTION 10

You are developing application web form by using HTML5 and JavaScript. You need to prevent users from submitting form data more than once. Which code segment should you use?

- A.

```
<body>
  <input id="btnSubmit" type="button" value="Submit" onclick="disable(this)" />
  <input id="btnCancel" type="button" value="Submit" onclick="disable(this)" />
  <script>
    function disable(ctrl) {
      ctrl.disabled = true;
    }
  </script>
</body>
```
- B.

```
<body>
  <input id="btnSubmit" type="button" value="Submit" onclick="disable()" />
  <input id="btnCancel" type="button" value="Submit" onclick="disable()" />
  <script>
    function disable() {
      this.disabled = true;
    }
  </script>
</body>
```
- C.

```
<body>
  <input id="btnSubmit" type="button" value="Submit" onclick="disable()" />
  <input id="btnCancel" type="button" value="Submit" onclick="disable()" />
  <script>
    function disable() {
      document.getElementById("btn" + this.name).disabled = true;
    }
  </script>
</body>
```
- D.

```
<body>
  <input id="btnSubmit" type="button" value="Submit" onclick="disable(me)" />
  <input id="btnCancel" type="button" value="Submit" onclick="disable(me)" />
  <script>
    function disable(ctrl) {
      ctrl.disabled = true;
    }
  </script>
</body>
```

A. Option A

- B. Option B
- C. Option C
- D. Option D

Answer: A

Explanation:

* this, in disable(this), refers to the clicked button.

* The disabled attribute is a boolean attribute.

When present, it specifies that the <input> element should be disabled. A disabled input element is unusable and un-clickable.

The disabled attribute can be set to keep a user from using the <input> element until some other condition has been met (like selecting a checkbox, etc.). Then, a JavaScript could remove the disabled value, and make the <input> element usable.

Reference: HTML <input> disabled Attribute

NEW QUESTION 10

You are developing an HTML5 web application for a surveyor company that displays topographic images.

The application must:

Display the topographic images at different zoom levels without loss of detail Print the topographic images without loss of detail

Work from only one source file for each topographic image

You need to ensure that the topographic images display according to the requirements. Which HTML5 element should you use?

- A. SVG
- B. CANVAS
- C. SAMP
- D. AREA

Answer: A

Explanation:

* SVG stands for Scalable Vector Graphics SVG is used to define graphics for the Web SVG is a W3C recommendation

* The HTML <svg> element (introduced in HTML5) is a container for SVG graphics. SVG has several methods for drawing paths, boxes, circles, text, and graphic images. Reference: HTML5 SVG

NEW QUESTION 12

You are modifying a blog site to improve search engine readability.

You need to group relevant page content together to maximize search engine readability. Which tag should you use?

- A. <section>
- B. <tbody>
- C. <div>
- D. <table>

Answer: A

Explanation:

The <section> tag defines sections in a document. Such as chapters, headers, footers, or any other sections of the document.

NEW QUESTION 16

You are modifying a blog site to improve search engine readability.

You need to group relevant page content together to maximize search engine readability. Which tag should you use?

- A.
- B. <nav>
- C. <cabl>
- D. <section>

Answer: D

Explanation:

The <section> tag defines sections in a document. Such as chapters, headers, footers, or any other sections of the document.

NEW QUESTION 18

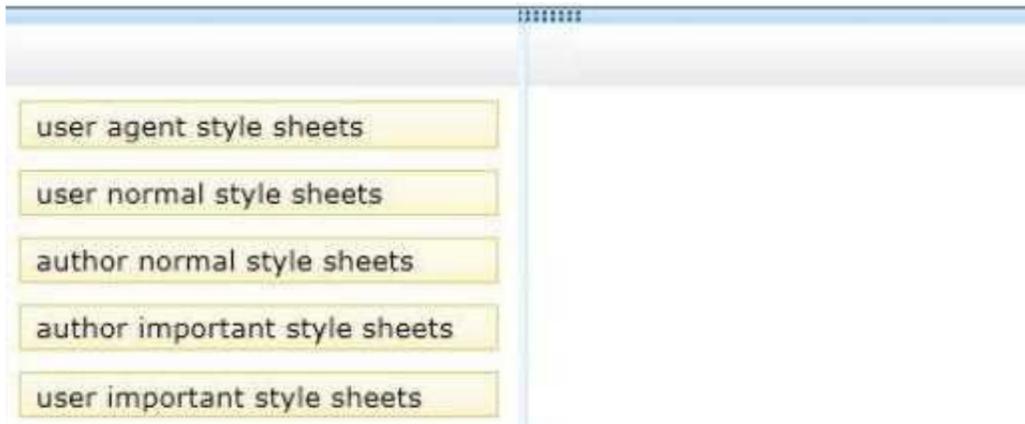
DRAG DROP

You are creating an application by using HTML5 and CSS3. The styles for the pages are derived from five style sheets.

The styles are not being applied correctly to the pages in the application.

You need to determine the order in which the style sheets will be applied by the browser.

In which order will the five style sheets be applied? (To answer, move the style sheet types from the list of style sheet types to the answer area and arrange them in the order that they will be applied.)



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: user agent style sheets Box 2: user normal style sheets
 Box 3 author normal style sheets: Box 4: author important style sheets Box 5: user important style sheets Note:
 The order of declarations from least important to most important:
 user agent declarations user normal declarations author normal declarations
 author important declarations user important declarations

NEW QUESTION 19

You implement an application by using HTML5 and JavaScript. You create a webpage that contains the following HTML:

```
<!DOCTYPE html>
<html>
<head>
  <link href="site.css" rel="stylesheet" type="text/css" />
  <script type="text/javascript" src="jquery.js"></script>
</head>
<body>
  <div id="container">
    <ul>
      <li>First List Item
        <ul>
          <li>Child List Item</li>
        </ul>
      </li>
      <li>Second List Item</li>
      <li>Third List Item</li>
      <li>Fourth List Item</li>
    </ul>
    <p>Some interesting information that we need to display.</p>
    <p>More information that is important to this page.</p>
  </div>
</body>
</html>
```

The application must place a border on only the first UL element that is contained in the DIV element. You need to update the webpage. What should you do?

A. Add the following SCRIPT element after the DIV element:

```
<script>
  $("div").each(function () {
    $("ul").each(function (index, domEle) {
      $(domEle).css("border", "1px solid black");
    });
  });
</script>
```

B. Add the following SCRIPT element after the DIV element:

```
<script>
  $("div#container > ul").css("border", "1px solid black");
</script>
```

C. Add the following SCRIPT element after the DIV element:

```
<script>
  $("ul:first-of-type").css("border", "1px solid black");
</script>
```

D. Add the following style to the site.css file:

```
.container > ul {
  border: 1px solid black;
}
```

- A. Option A
- B. Option B
- C. Option C
- D. Option D

Answer: D

Explanation:

Example: CSS File: ul {
border: 1px solid black;
}

Inline CSS:

<ul class="container" style="border: 1px solid black">

NEW QUESTION 20

You are developing a customer web form that includes following HTML.

<input id="textAccountType"/>

You need to develop the form so that customers can enter only a valid account type consisting of two English alphabet characters.

Which code segment should you use?

- A.

```
function validate() {
    var value = $("#txtAccountType").text();
    if (value == null || value == "")
        alert("please enter valid account type");
    return;
}
```
- B.

```
function validate() {
    var value = $("#txtAccountType").val();
    var regex = /^[A-Za-z]{2}$/;
    if (!regex.test(value) || value == "")
        alert("please enter valid account type");
    return;
}
```
- C.

```
function validate() {
    var value = $("#txtAccountType").val();
    if (value == null || value == "")
        alert("please enter valid account type");
    return;
}
```
- D.

```
function validate() {
    var value = $("#txtAccountType").text();
    var regex = /^[A-Za-z]{2}$/;
    if (!regex.test(value) || value == "")
        alert("please enter valid account type");
    return;
}
```

- A. Option A
 B. Option B
 C. Option C
 D. Option D

Answer: B

Explanation:

HTML <input> pattern Attribute

The pattern attribute specifies a regular expression that the <input> element's value is checked against.

Example

An HTML form with an input field that can contain only two letters (no numbers or special characters):

```
<form action="demo_form.asp">
```

```
Country code: <input type="text" name="country_code" pattern="[A-Za-z]{2}" title="Three letter country code">
```

```
<input type="submit">
```

```
</form>
```

Reference: HTML <input> pattern Attribute http://www.w3schools.com/tags/att_input_pattern.asp

NEW QUESTION 25

DRAG DROP

You are creating a function named getText().

The function must retrieve information from text files that are stored on a web server. You need to develop the function to meet the requirement.

Which code segment or segments should you use? (To answer, drag the appropriate command from the list of commands to the correct location or locations in the work area)

- A. Mastered
 B. Not Mastered

Answer: A

Explanation:

* onreadystatechange

When a request to a server is sent, we want to perform some actions based on the response. The onreadystatechange event is triggered every time the readyState changes.

The readyState property holds the status of the XMLHttpRequest.

Example xmlhttp.onreadystatechange=function()

```
{
if (xmlhttp.readyState===4 && xmlhttp.status===200)
```

```
{
document.getElementById("myDiv").innerHTML=xmlhttp.responseText;
```

```
}
```

```
}
* Send a Request To a Server
To send a request to a server, we use the open() and send() methods of the XMLHttpRequest object: xmlhttp.open("GET","xmlhttp_info.txt",true);
xmlhttp.send();
Reference: AJAX - The onreadystatechange Event; The XMLHttpRequest Object
```

NEW QUESTION 29

DRAG DROP

You are developing an application for a retail store. The application will be used on mobile devices to provide real-time directions to the store.

You have the following requirements:

The application must find out a user's location.

As the user moves, the application must update the screen with the new location. As the user moves, the application must display the user's speed.

You need to develop the application to meet the requirements.

Which code segment or segments should you use? (To answer, drag the appropriate code segment or segments to the correct location in the work area)

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

* `geolocation.watchPosition`

`watchPosition()` - Returns the current position of the user and continues to return updated position as the user moves (like the GPS in a car).

* position data include:

/ `coords.speed`

The speed in meters per second

/ `coords.accuracy` (incorrect answer) The accuracy of position

Etc.

* The `getCurrentPosition()` (incorrect)

The `getCurrentPosition()` method returns an object if it is successful. The latitude, longitude and accuracy properties are always returned. The other properties below are returned if available. Reference: HTML5 Geolocation

NEW QUESTION 34

HOTSPOT

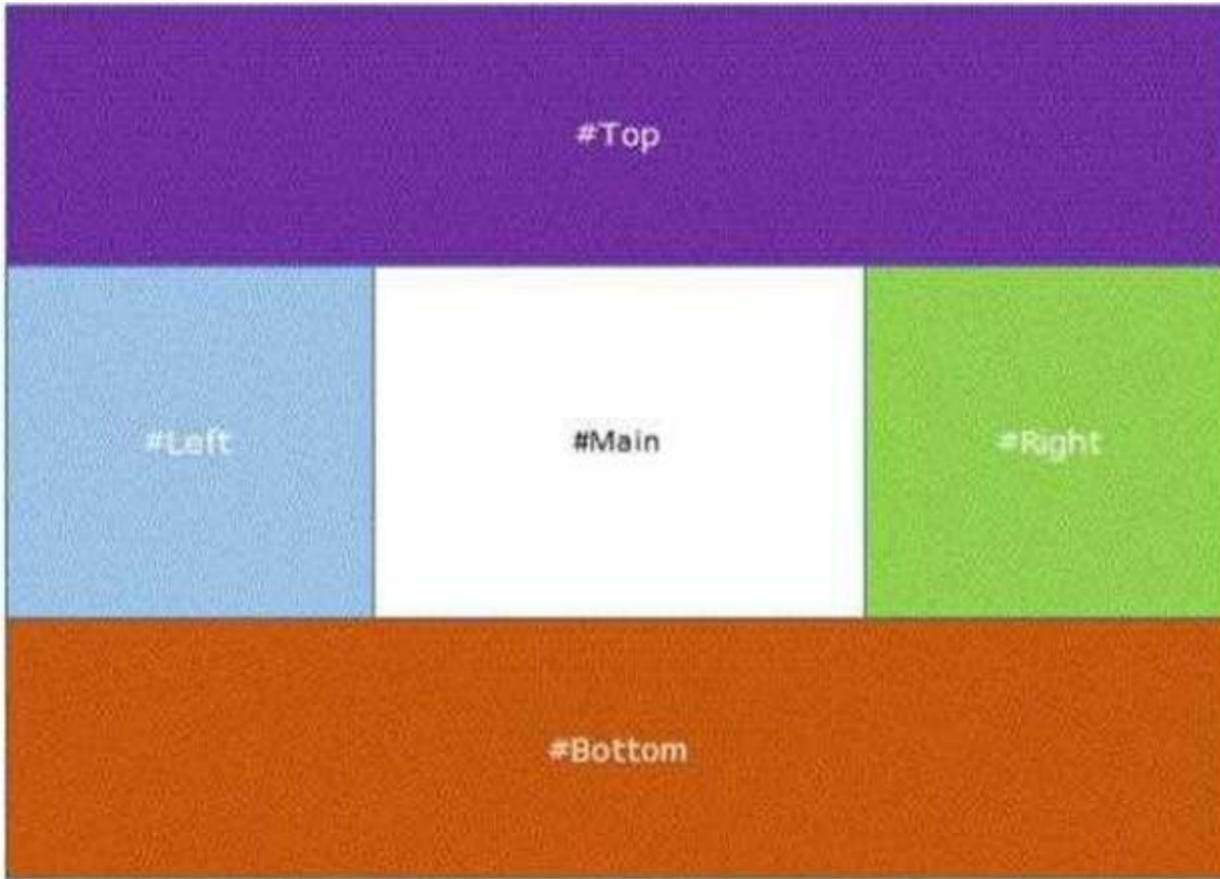
You develop a webpage. You create the following HTML markup:

```
<!DOCTYPE html>
<html>
  <head>
    <style></style>
  </head>
  <body>
    <div id="top"></div>
    <div id="content">
      <div id="left"></div>
      <div id="main"></div>
      <div id="right"></div>
    </div>
    <div id="bottom"></div>
  </body>
</html>
```

```
<!DOCTYPE html>
<html>
<head>
<style></style>
</head>
<body>
<div id="top">
```

The layout of the webpage must contain three rows. The first row spans the entire width of the page and is labeled #Top. The second row contains three columns. The first column is labeled #Left; the second column is labeled #Main; and the right column is labeled #Right. The #Left and #Right columns are a fixed width. The #Main column occupies the remaining available space. The third and final row spans the entire width of the page and is labeled #Bottom.

The layout of the webpage must resemble the following image:



You need to create the CSS styles to implement the layout.
 How should you complete the relevant styles? (To answer, select the appropriate option from each drop-down list in the answer area.)

```
#top {width: 100%; height: 200px;}
```

```
#content {display: 
```

```
width: 100%;
```

```
}
```

```
#content #left {width: 200px; height: 300px;}
#content #right {width: 200px; height: 300px;}
```

```
#content #main {}
```

```
#bottom {width: 100%; height: 200px;}
```

```
#top {width: 100%; height: 200px;}
```

```
#content {display: 
```

```
-ms-flex;  
-ms-flexbox;  
box-flex-group;
```

```
-ms-flex-flow: row;  
-ms-flex-flow: wrap;  
-ms-flex-direction: row;  
-ms-flex-direction: wrap;
```

```
width: 100%;
```

```
}
```

```
#content #left {width: 200px; height: 300px;}  
#content #right {width: 200px; height: 300px;}
```

```
#content #main {}
```

```
-ms-flex: 0;  
-ms-flex: 1;
```

```
#bottom {width: 100%; height: 200px;}
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

* -ms-flexbox

To enable flexbox layout, you must first create a flexbox container. Do this by setting the display property of an element to either "-ms-flexbox" (for a block-level flexbox container) or "-ms-inline-flexbox" (for an inline flexbox container).

* -ms-flex-direction: row;

When creating a flexbox container, you can also set its orientation—that is, specify whether its children are displayed from right-to-left, left-to-right, top-to-bottom, or bottom-to-top.

* -ms-flex

Specifies whether the width or height of a child element is flexible based on the space available in the object. This value also indicates the proportion of space available that is allocated to the child element.

Reference: Flexible box ("Flexbox") layout in Internet Explorer 10

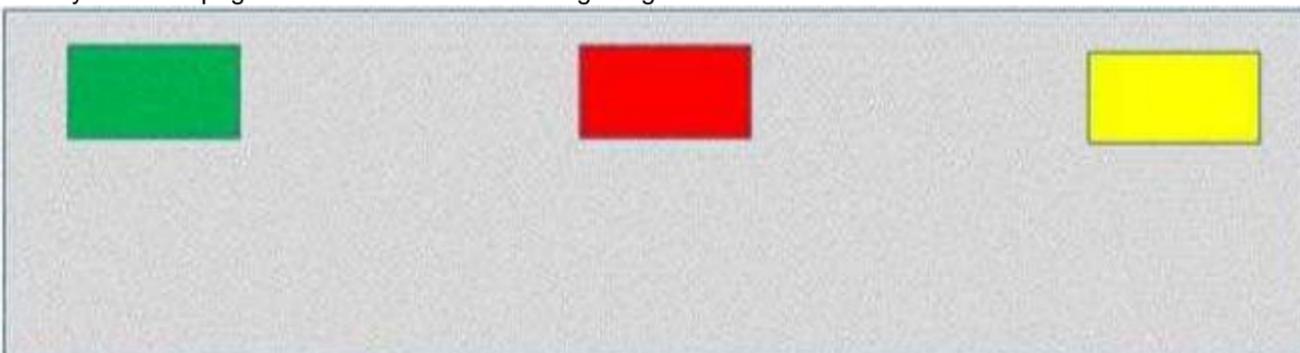
NEW QUESTION 38

HOTSPOT

You are developing a web page.

The webpage must display a container. The container must display three colored rectangles near the top of the container. The colored rectangles are, in order, green, red, and yellow. The rectangles are aligned horizontally and evenly spaced across the width of the container.

The layout of the page must resemble the following image:



You need to ensure that the page renders properly.

How should you complete the relevant styles? (To answer, select the appropriate option from each drop-down list in the answer area.)

```

<style>
  .box {
    display: -ms-flexbox;
    -ms-flex-direction: row;

    -ms-flex-align: ;

    -ms-flex-pack: ;

    width: 550px;
    height: 400px;
  }
</style>
<style>
  .box {
    display: -ms-flexbox;
    -ms-flex-direction: row;

    -ms-flex-align: ;
    end
    start
    center
    stretch
    -ms-flex-pack: ;
    end
    start
    center
    stretch
    width: 550px;
    height: 400px;
  }
</style>

```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

* -ms-flex-align

center: The flexbox item's margin box is centered in the cross axis within the line.

* -ms-flex-pack

The 'flex-pack' property defines the flexibility of these packing spaces. Reference: CSS property '-ms-flex-align'; CSS property '-ms-flex-pack'

NEW QUESTION 42

You are developing an application that analyzes population data for major cities in the United States. The application retrieves population statistics for a city by using a web service.

You need to request data from the web service by using jQuery. Which code segment should you use?

- A.

```
$.ajax({
  url: "Services/WSAjax.aspx/GetPopulationCity?city='Boston'",
  dataType: "text", type: "POST"
});
```
- B.

```
$.ajax({
  url: "Services/WSAjax.aspx/GetPopulationCity",
  dataType: "text", type: "SEND", data: { city: "Boston" }
});
```
- C.

```
$.ajax({
  url: "Services/WSAjax.aspx/GetPopulationCity?city='Boston'",
  dataType: "text", type: "SEND"
});
```
- D.

```
$.ajax({
  url: "Services/WSAjax.aspx/GetPopulationCity",
  dataType: "text", type: "POST", data: { city: "Boston" }
});
```

- A. Option A
- B. Option B
- C. Option C
- D. Option D

Answer: D

Explanation:

* type:
 We post a SOAP request.
 * data:
 Data to be sent to the server.
 The data option can contain either a query string of the form key1=value1&key2=value2, or an object of the form {key1: 'value1', key2: 'value2'}.
 Reference: jQuery.ajax()

NEW QUESTION 43

You develop a web application by using jQuery. You develop the following jQuery code: (Line numbers are included for reference only.)

```
01 <script>
02   $(document).ready(function () {
03     $('#submit').click(function () {
04       $.ajax({
05
06         data: $('#myForm').serialize(),
07         success: function (result) {
08           $('#result').text(result.message);
09         }
10       });
11     });
12   });
13 </script>
```

The web application exposes a RESTful web API that has an endpoint of /product/create.
 You need to create a new product by using AJAX. Which code segment should you insert at line 05?

- A. `type: "POST",
dataType: "xml",
contentType: "application/x-www-form-urlencoded; charset=UTF-8",
url: "/product/create",`
- B. `type: "GET",
dataType: "xml",
contentType: "application/x-www-form-urlencoded; charset=UTF-8",
url: "/product/create",`
- C. `type: "POST",
dataType: "json",
contentType: "application/json",
url: "/product/create/post",`
- D. `type: "POST",
dataType: "json",
url: "/product/create",`

- A. Option A
- B. Option B
- C. Option C
- D. Option D

Answer: D

Explanation:

* url: /product/create This is the endproduct.

* datatype:

The type of data that you're expecting back from the server.

* contentType (default: 'application/x-www-form-urlencoded; charset=UTF-8') Reference: jQuery.ajax()

NEW QUESTION 46

You develop a webpage that allows a user to download a JPEG image and convert it to a PNG file. You need to implement the code to download the contents of the JPEG image with no additional decoding. Which JavaScript function should you use?

- A. `readAsBinaryString()`
- B. `readAsArrayBuffer()`
- C. `readAsDataURL()`
- D. `readAsText()`

Answer: B

Explanation:

The `readAsArrayBuffer` method is used to read a File, Blob, MSSStream into memory as an ArrayBuffer object.

Reference: `FileReader.readAsArrayBuffer`

NEW QUESTION 48

DRAG DROP

You are developing a shared library to format information. The library contains a method named `_private`.

The `_private` method must never be called directly from outside of the shared library. You need to implement an API for the shared library.

How should you complete the relevant code? (Develop the solution by selecting the required code segments and arranging them in the correct order. You may not need all of the code segments.)

Answer Area

```
Formatter.prototype.parseValue =
function (input) {
  return _private(input);
}
```

```
prototype.parseValue = _private(input);
```

```
this._private = function (data) {
  return custom(data);
}
```

```
}
```

```
return {
  parseValue: function (input)
  { return _private(); }
}
```

```
function getFormatter() {
```

```
var _private = function (data) {
  return custom(data);
};
```

```
this.parseValue = function (input) {
  return _private(input);
};
```

```
$('#parseValue') = function (input) {
  return _private(input);
};
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1:

```
function getFormatter() {
```

Box 2:

```
Formatter.prototype.parseValue =
function (input) {
  return _private(input);
}
```

Box 3:

```
this._private = function (data) {
  return custom(data);
}
```

Box 4:

```
}
```

Note:

```
$('#parseValue') = function (input) {
  return _private(input);
};
```

* Here there is a basic example:

```
// our constructor
function Person(name, age){ this.name = name; this.age = age;
};
// prototype assignment Person.prototype = (function(){
// we have a scope for private stuff
// created once and not for every instance function toString(){
return this.name + " is " + this.age;
```

```
};
// create the prototype and return them return {
// never forget the constructor ... constructor:Person,
// "magic" toString method toString:function(){
// call private toString method return toString.call(this);
}
};
})();
* Example:
You can simulate private methods like this: function Restaurant() {
}
Restaurant.prototype = (function() { var private_stuff = function() {
// Private code here
};
return { constructor:Restaurant, use_restroom:function() {
private_stuff();
}
};
})();
var r = new Restaurant();
// This will work: r.use_restroom();
// This will cause an error: r.private_stuff();
```

NEW QUESTION 50

You develop an HTML application that contains a table that displays a list of products. The table is defined with the following HTML markup:

```
<table>
  <thead>
    <tr>
      <th>Product</th>
    </tr>
  </thead>
  <tbody>
    <tr>
      <td>Adjustable Race</td>
    </tr>
    <tr>
      <td>Blade</td>
    </tr>
    <tr>
      <td>Chainring</td>
    </tr>
    <tr>
      <td>Down Tube</td>
    </tr>
  </tbody>
</table>
```

You must style the table to look like the following image:

| Product |
|-----------------|
| Adjustable Race |
| Blade |
| Chainring |
| Down Tube |

You need to implement the CSS selectors to select the rows that must have a blue background. Which CSS selector should you use?

- A. `thead:only-child, tbody:after, table:before`
- B. `tr [line | -0, 1, 3]`
- C. `tr:first-of-type, tr:last-of-type`
- D. `tr:first-line, tr:last-child`

Answer: B

Explanation:

Header (line 0), first line and third line.

NEW QUESTION 54

HOTSPOT

You develop an interactive scalable vector graphics (SVG) application. You write the following HTML markup that makes a rectangle rotate:

```
<svg width="200px" height="200px">
  <g transform="translate(400, 400)" id="myImage">
    <rect id="mySquare" x="-10" y="-10" width="20" height="20" color="blue" />
  </g>
</svg>
<input id="speed" type="text" value="10" />
<button id="zoom" onclick="startAnimation();">Start</button>
```

You need to control the speed of the rotating rectangle.

How should you complete the relevant code? (To answer, select the appropriate option from each drop-down list in the answer area.)

```
<script>
  var squareShape;
  var myTimer;

  function startAnimation () {
    squareShape= 
    squareShape.currentTheta = 0;
    myTimer= 
    animateImage();
  }

  function animateImage() {
    
    + squareShape.currentTheta + ")");
    squareShape.currentTheta += 0.1;
  }
</script>
```

```

<script>
  var squareShape;
  var myTimer;

  function startAnimation () {

    squareShape=
    document.myImage;
    document.mySquare;
    document.getElementById("myImage");
    document.getElementById("mySquare");

    squareShape.currentTheta = 0;

    myTimer=
    speed.value;
    myTimer.interval (speed.value);
    setTimeout(animateImage, speed.value);
    new timer(animateImage, speed.value);

    animateImage ();
  }

  function animateImage() {
    setInterval(animateImage, speed.value);
    squareShape.setAttribute("rotate", "angle("
    squareShape.setAttribute("transform", "angle("
    squareShape.setAttribute("transform", "rotate("
    squareShape.setAttribute("mySquare", "transform("

    + squareShape.currentTheta + ")");
    squareShape.currentTheta += 0.1;
  }
</script>

```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Note:
 * What is SVG?
 SVG stands for Scalable Vector Graphics
 SVG is used to define vector-based graphics for the Web SVG defines the graphics in XML format
 SVG graphics do NOT lose any quality if they are zoomed or resized Every element and every attribute in SVG files can be animated SVG is a W3C recommendation

* Example:

```

<script>
/* CONSTANTS */
var initialTheta = 0; // The initial rotation angle, in degrees.
var thetaDelta = 0.3; // The amount to rotate the square every "delay" milliseconds, in degrees.
var delay = 10; // The delay between animation stills, in milliseconds. Affects animation smoothness.
var angularLimit = 90; // The maximum number of degrees to rotate the square.
/*

```

Note that it will take the square (angularLimit/thetaDelta)*delay milliseconds to rotate an angularLimit number of degrees. For example, (90/0.3)*10 = 3000 ms (or 3 seconds) to rotate the square 90 degrees.

```

*/
/* GLOBALS */
var theSquare; // Will contain a reference to the square element, as well as other things. var timer; // Contains the setInterval() object, used to stop the animation.
function init()
/*

```

Assumes that this function is called after the page loads.

```

*/
{
theSquare = document.getElementById("mySquare"); // Set this custom property after the page loads.
theSquare.currentTheta = initialTheta; // The initial rotation angle to use when the animation starts, stored in
timer = setInterval(doAnim, delay); // Call the doAnim() function every "delay" milliseconds until "timer" is cleared.
}
function doAnim()
/*
This function is called by setInterval() every "delay" milliseconds.
*/
{
if (theSquare.currentTheta > angularLimit)
{
clearInterval(timer); // The square has rotated enough, instruct the browser to stop calling the doAnim() function.
return; // No point in continuing; stop now.
}
theSquare.setAttribute("transform", "rotate(" + theSquare.currentTheta + ")"); // Rotate the square by a small amount.
theSquare.currentTheta += thetaDelta; // Increase the angle that the square will be rotated to, by
a small amount.
}
</script>
</head>

```

NEW QUESTION 59

DRAG DROP

You are implementing a web worker by using JavaScript and HTML5. The web worker processes a long-running loop and returns the result to a webpage. The web worker is defined on the webpage as follows:

```

var myWorker = new Worker('task.js');
myWorker.postMessage({
  message: 'go',
  iterations: 1000000000
});

```

You have the following requirements:

Evaluate the message value in the web worker.

Process the loop based on the iterations value that is passed from the webpage. Return a value back to the webpage from the web worker.

You need to implement the web worker.

How should you complete the relevant code? (To answer, drag the appropriate code segment to the correct location or locations in the answer area.)

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Note:

* The event object for a message event supports the following additional properties: the data property contains the message, the origin property retrieves the scheme, hostname and port of the document that invoked the postMessage method, the source property refers to the window object that contains the document that invoked the postMessage method, the lastEventId property returns the identifier of the last message.

NEW QUESTION 60

DRAG DROP

You are creating a function by using JavaScript. You have the following requirements:

The function must display loan amounts to the user within the following HTML element:

```
<div id="display"></div>
```

The loan amount of 2100 must display in the HTML element.

All declared variables and functions must be scoped to the myApp variable. You need to implement the function.

How should you complete the relevant code? (To answer, drag the appropriate code segments to the correct location or locations in the answer area. Use only code segments that apply.)

Answer Area

this.loanAmount += 1000;

this.loanAmount = 100;

loanAmount = 100;

loanAmount += 1000;

myApp.loanAmount

loanAmount

```

var myApp = {};
(function () {
    [ ]
    this.display = function (value) {
        document.getElementById('display').innerHTML += value;
    };
    this.increaseLoanAmount = function () {
        [ ]
        return;
    };
    this.increaseLoanAmountAgain = function () {
        [ ]
        return;
    };
}).apply(myApp);
myApp.increaseLoanAmount();
myApp.increaseLoanAmountAgain();

myApp.display( [ ] );
                
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

```

var myApp = {};
(function () {
    this.loanAmount = 100;
    this.display = function (value) {
        document.getElementById('display').innerHTML += value;
    };
    this.increaseLoanAmount = function () {
        this.loanAmount += 1000;
        return;
    };
    this.increaseLoanAmountAgain = function () {
        this.loanAmount += 1000;
        return;
    };
}).apply(myApp);
myApp.increaseLoanAmount();
myApp.increaseLoanAmountAgain();

myApp.display( myApp.loanAmount );
                
```

NEW QUESTION 65

HOTSPOT

You implement a callback function by using JavaScript. You need to process the returned XML data. How should you complete the relevant code? (To answer, select the appropriate option from each drop-down list in the answer area.)

```

<script>
function getStatus(url, callback) {
    var httpRequest = new XMLHttpRequest();
    httpRequest.onreadystatechange = function () {
        if (httpRequest.readyState === 4
            && httpRequest.status === 200) {
            
        }
    };
    httpRequest.open('GET', url);
    httpRequest.send();
}

function start(url) {
    getStatus(url, function () {
        
    });
}
</script>
<script>
function getStatus(url, callback) {
    var httpRequest = new XMLHttpRequest();
    httpRequest.onreadystatechange = function () {
        if (httpRequest.readyState === 4
            && httpRequest.status === 200) {
            
            callback.call(httpRequest);
            httpRequest.setRequestHeader();
            callback.call(httpRequest.responseXML);
            callback = httpRequest.getResponseHeader();
        }
    };
    httpRequest.open('GET', url);
    httpRequest.send();
}

function start(url) {
    getStatus(url, function () {
        
        processResults(this);
        processResults(url.callback);
        processResults(this.XMLHttpRequest());
        processResults(url.callback.responseXML);
    });
}
</script>

```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

* Example:
 httpRequest.onreadystatechange = function() {
 // inline function to check the status
 // of our request
 // this is called on every state change if (httpRequest.readyState === 4 && httpRequest.status === 200) {
 callback.call(httpRequest.responseXML);
 // call the callback function
 }
 };
 // call the function some_function2("text.xml", function() {
 console.log(this);
 });
 Reference: understand callback functions in Javascript

NEW QUESTION 69

HOTSPOT

You review a webpage that contains the following markup:

```

<!DOCTYPE html>
<html>
  <head>
    <style type="text/css">
      .container {
        display: -ms-grid;
        -ms-grid-columns: 1fr 1fr 1fr;
        -ms-grid-rows: 1fr 1fr 1fr;
      }
      .blueBox {
        -ms-grid-row: 2;
        -ms-grid-column: 2;
        -ms-wrap-flow: auto;
        float:none;
        background-color: blue;
      }
      .text {
        -ms-grid-row: 1;
        -ms-grid-column: 1;
        -ms-grid-column-span: 3;
        -ms-grid-row-span: 3;
      }
    </style>
  </head>
  <body>
    <div class="body">
      <div name="container" class="container">
        <div name="blueBox" class="blueBox"></div>
        <div name="content" class="text"></div>
      </div>
    </div>
  </body>
</html>

```

How does the page render? For each statement in the table, select Yes if the behavior is described. Select No if it is not. Make only one selection in each column.

| Yes | No | |
|-----------------------|-----------------------|--|
| <input type="radio"/> | <input type="radio"/> | Content in the DIV element named content flows around all sides of the DIV element named blueBox . |
| <input type="radio"/> | <input type="radio"/> | The DIV element named blueBox will always be displayed at row 2, column 2 of the grid. |
| <input type="radio"/> | <input type="radio"/> | Content in the DIV element named content will fill all cells in the grid. |

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

| Yes | No | |
|----------------------------------|----------------------------------|--|
| <input type="radio"/> | <input checked="" type="radio"/> | Content in the DIV element named content flows around all sides of the DIV element named blueBox . |
| <input checked="" type="radio"/> | <input type="radio"/> | The DIV element named blueBox will always be displayed at row 2, column 2 of the grid. |
| <input checked="" type="radio"/> | <input type="radio"/> | Content in the DIV element named content will fill all cells in the grid. |

NEW QUESTION 71

You are developing a web page that includes the following HTML.

```

<span id = "myTextSpan" class = "redText"> Hello There! </span>

```

The font color of text inside the span must be red. You need to develop the web page to meet the requirement.

Which two CSS segments will achieve the goal? (Each correct answer presents a complete solution. Choose two.)

A.

```
.redText
{
  color: red;
}
```

B.

```
.myTextSpan
{
  color: red;
}
```

C.

```
span#myTextSpan
{
  color: red;
}
```

D.

```
#redText
{
  color: red;
}
```

- A. Option A
- B. Option B
- C. Option C
- D. Option D

Answer: AC

Explanation:

You can refer to class, by `.redText`, or the span, by `span#myTextSpan`.

NEW QUESTION 76

You develop an HTML application that is located at `www.adventure-works.com`. The application must load JSON data from `www.fabrikam.com`. You need to choose an approach for loading the data. What should you do?

- A. Design a REST URI scheme with multiple domains.
- B. Configure Cross-Origin Resource Sharing (CORS) on the servers.
- C. Load the data by using WebSockets.
- D. Use the jQuery `getJSON` method.

Answer: B

Explanation:

* Cross-origin resource sharing (CORS) is a mechanism that allows Javascript on a web page to make XMLHttpRequests to another domain, not the domain the Javascript originated from. Such "cross-domain" requests would otherwise be forbidden by web browsers, per the same origin security policy. CORS defines a way in which the browser and the server can interact to determine whether or not to allow the cross-origin request.[2] It is more powerful than only allowing same-origin requests, but it is more secure than simply allowing all such cross-origin requests.

* You must use Cross Origin Resource Sharing

It's not as complicated as it sounds...simply set your request headers appropriately...in Python it would look like:

```
self.response.headers.add_header('Access-Control-Allow-Origin', '*'); self.response.headers.add_header('Access-Control-Allow-Methods', 'GET, POST, OPTIONS'); self.response.headers.add_header('Access-Control-Allow-Headers', 'X-Requested-With'); self.response.headers.add_header('Access-Control-Max-Age', '86400');
```

NEW QUESTION 79

You develop a webpage with a standard input control by using HTML5.

The input control must display the text Enter your given name, as shown below:

Enter your given name

When a user selects the input control, the text must disappear. You need to create the input control.

Which input control should you use?

- A. `<input name="GivenName" value=" Enter your given name" />`
- B. `<input name = "GivenName" default=" Enter your given name" />`
- C. `<input name="GivenName" text=" Enter your given name" />`
- D. `<input name="GivenName" placeholder=" Enter your given name" />`

Answer: D

Explanation:

The placeholder attribute specifies a short hint that describes the expected value of an input field

(e.g. a sample value or a short description of the expected format).

The short hint is displayed in the input field before the user enters a value.

The placeholder attribute works with the following input types: text, search, url, tel, email, and password.

Reference: HTML <input> placeholder Attribute

NEW QUESTION 84

You develop an HTML5 webpage. You have the following HTML markup:

```
<section id="news">
  <h1>World News</h1>
  <article id="news1">...</article>
  <article id="news2">...</article>
  <article id="news3">...</article>
</section>
<section id="sports">
  <h1>Sports</h1>
  <article id="sports1">...</article>
  <article id="sports2">...</article>
  <article id="sports3">...</article>
</section>
```

You need to add a background color to the first article in each section. Which code segment should you add to the webpage?

- A. \$ ("section article:first-child").css("background-color", "#f2f2f2");
- B. \$ ("section:first-child").css ("background-color", "#f2f2f2");
- C. \$ ("article:first-of-type") .css("background-color", "#f2f2f2");
- D. \$ ("section:first-of-type").css("background-color", "#f2f2f2");

Answer: C

Explanation:

The :first-of-type selector matches every element that is the first child, of a particular type, of its parent.

Reference: CSS3 :first-of-type Selector

NEW QUESTION 87

You are developing an HTML5 web form to collect feedback information from site visitors. The web form must display an INPUT element that meets the following requirements: Allow numeric values between 1 and 10.

Default to the value of 5.

Display as a slider control on the page.

You need to add the INPUT element to the form. Which HTML element should you add?

- A. Rating (Between 1 and 10): <input type="number" name="rating" min ="1" max-"10">
- B. Rating (Between 1 and 10): <input type="number" name="rating" min="1" max="10" default="5">
- C. Rating (Between 1 and 10): <input type="range" name="rating" min="1" max="10" default="5">
- D. Rating (Between 1 and 10): <input type="range" name="rating" min="10" max="10" value="5">

Answer: C

Explanation:

input type="range"

The <input type="range"> is used for input fields that should contain a value within a range. Depending on browser support, the input field can be displayed as a slider control.

Example

<form>

<input type="range" name="points" min="0" max="10">

</form>

NEW QUESTION 89

You develop an HTML5 application. The application uses an image that is returned from an HTTP POST request.

You develop the following code: (Line numbers are included for reference only.)

```
01 var xhr = new XMLHttpRequest();
02 xhr.open('POST', '/Images/heroAccent.png', true);
03 var img = document.createElement('img');
04
05 xhr.send();
```

You need to display the loaded image in the application. Which code segment should you insert at line 04?

- A
- ```
xhr.responseType = 'blob';
xhr.onload = function (e) {
 if (this.status == 200) {
 img.src = window.URL.createObjectURL(this.responseText);
 document.body.appendChild(img);
 }
};
```
- B
- ```
xhr.responseType = 'blob';
xhr.onload = function(e) {
  if (this.status == 200) {
    img.src = window.URL.createObjectURL(this.response);
    document.body.appendChild(img);
  }
};
```
- C
- ```
xhr.responseType = 'document';
xhr.onload = function (e) {
 if (this.status == 200) {
 img.src = window.URL.createObjectURL(this.responseText);
 document.body.appendChild(img);
 }
};
```
- D
- ```
xhr.responseType = 'document';
xhr.onload = function (e) {
  if (this.status == 200) {
    img.src = window.URL.createObjectURL(this.response);
    document.body.appendChild(img);
  }
};
```

- A. Option A
- B. Option B
- C. Option C
- D. Option D

Answer: B

Explanation:

As an image will be returned the response type must be blob, not document. Similarly, this.response must be used not this.responseText.
 Reference: createObjectURL method

NEW QUESTION 94

You develop an HTML5 webpage that contains the following HTML markup:

```
<input id="loanTermTextBox" type="text" />
```

Users must enter a valid integer value into the text box.

You need to validate the data type that is received from the input element.

Which two code segments should you include on the webpage? (Each correct answer presents a complete solution. Choose two.)

- A.

```
function validateForm() {
  var loanTermInput = document.getElementById("loanTermTextBox");
  var loanTerm = parseInt(loanTermInput.value, 10);
  if (isNaN(loanTerm) || loanTerm.toString() !== loanTermInput.value) {
    alert("Loan Term must be an integer");
    return false;
  }
  return true;
};
```
- B.

```
var validateForm = function () {
  var loanTermInput = document.getElementById("loanTermTextBox");
  var loanTerm = parseInt(loanTermInput.value, 10);
  if (isNaN(loanTerm) || loanTerm.toString() !== loanTermInput.value) {
    alert("Loan Term must be an integer");
    return false;
  }
  return true;
};
```
- C.

```
var validateForm = function () {
  var loanTermInput = document.getElementsByName("loanTermTextBox");
  var loanTerm = parseFloat(loanTermInput.value);
  if (!isNaN(loanTerm) || loanTerm.toString() !== loanTermInput.value) {
    alert("Loan Term must be an integer");
    return false;
  }
  return true;
};
```
- D.

```
var validateForm = function () {
  var loanTermInput = document.getElementById("loanTermTextBox");
  var loanTerm = parseInt(loanTermInput.text);
  if (isNaN(loanTermInput)) {
    alert("Loan Term must be an integer");
    return false;
  }
};
```
- E.

```
var validateForm = function () {
  var loanTermInput = document.getElementsByName("loanTermTextBox");
  var loanTerm = JSON.parse(loanTermInput);
  if (!isNaN(loanTerm) || loanTerm.toString() !== loanTermInput.value) {
    alert("Loan Term must be an integer");
    return false;
  }
  return true;
};
```

- A. Option A
 B. Option B
 C. Option D
 D. Option E

Answer: AB

Explanation:

* parseInt

The parseInt() function parses a string and returns an integer. Syntax: parseInt(string,radix)

string Required. The string to be parsed

radix Optional. A number (from 2 to 36) that represents the numeral system to be used.

* The isNaN() function determines whether a value is an illegal number (Not-a-Number). This function returns true if the value is NaN, and false if not.

Reference: JavaScript parseInt() Function; JavaScript isNaN() Function

NEW QUESTION 95

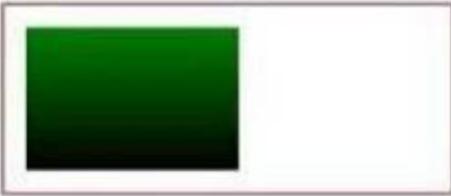
HOTSPOT

You are creating a custom CSS3 style.

You have the following requirements to complete the style: Box1 has a red outline.

Box1 contains box2, and box2 must remain inside box1 Box2 must have a green to black gradient.

Box2 must be surrounded by white space. The style resembles the following diagram:



You need to add the CSS3 code to the styles.

How should you complete the relevant code? (To answer, select the appropriate code segment in each drop-down list in the answer area.)

```
<style>
  #box1
  {
    [ ]
  }

  #box2
  {
    width: 6em;
    height: 4em;
    position: absolute;
    [ ]
    [ ]
  }
</style>
```

```
<style>
  #box1
  {
    [ ]
    margin: 5em; border: 1px solid #f00;
    margin: 5em; border-color: red;
    margin: 10px 10px 10px 10px; color: red;
    margin: 10px 10px 10px 10px; border-style: solid;
  }

  #box2
  {
    width: 6em;
    height: 4em;
    position: absolute;
    [ ]
    background-image: linear-gradient(to bottom, green, black);
    background-image: linear-gradient(to top, green, black);
    background-image: radial-gradient(to bottom, green, black);
    background-image: radial-gradient(to top, green, black);
    [ ]
    margin: 0px 0px 0px 0px;
    margin: 10px 10px 10px 10px;
    padding: 0px 0px 0px 0px;
    padding: 10px 10px 10px 10px;
  }
</style>
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

* border: 1px solid #f00;
 a red border 1 pixel thick.

- * background-image: linear-gradient(to bottom, green,black); Linear Gradients (goes down/up/left/right/diagonally). Starts at the top with green and goes to bottom with black.
- * margin: 10px 10px 10px 10px;
The CSS margin properties define the space around elements.
The top, right, bottom, and left margin can be changed independently using separate properties. Incorrect:
- * border-color: red;
will not display any border
- * Radial Gradients (defined by their center).

NEW QUESTION 96

You develop an HTML application that is located at www.adventure-works.com. The application must load JSON data from www.fabrikam.com. You need to choose an approach for loading the data. What should you do?

- A. Add a crossdomain.xml file to the second server.
- B. Configure Cross-Origin Resource Sharing (CORS) on the servers.
- C. Load the data in a JavaScript timeout callback.
- D. Reference the remote data as an XML resource.

Answer: B

Explanation:

* Cross-origin resource sharing (CORS) is a mechanism that allows Javascript on a web page to make XMLHttpRequests to another domain, not the domain the Javascript originated from. Such "cross- domain" requests would otherwise be forbidden by web browsers, per the same origin security policy. CORS defines a way in which the browser and the server can interact to determine whether or not to allow the cross-origin request.[2] It is more powerful than only allowing same-origin requests, but it is more secure than simply allowing all such cross-origin requests.

* You must use Cross Origin Resource Sharing

It's not as complicated as it sounds...simply set your request headers appropriately...in Python it would look like:

```
self.response.headers.add_header('Access-Control-Allow-Origin', '*'); self.response.headers.add_header('Access-Control-Allow-Methods', 'GET, POST, OPTIONS'); self.response.headers.add_header('Access-Control-Allow-Headers', 'X-Requested-With'); self.response.headers.add_header('Access-Control-Max-Age', '86400');
```

NEW QUESTION 100

You are creating a blog site by using HTML5 and JavaScript. An inline frame enables users to post comments. It is possible for users to inject malicious scripts into their comments.

You need to minimize the ability for malicious scripts to execute on the site. Which line of code should you use?

- A. `<iframe sandbox src="frame1.html"></iframe>`
- B. `<iframe seamless="allowscripts" src="frame1.html"></iframe>`
- C. `<iframe seamless src="frame1.html"></iframe>`
- D. `<iframe sandbox="allowscripts" src="frame1.html"></iframe>`

Answer: A

Explanation:

The sandbox attribute enables an extra set of restrictions for the content in the iframe. Syntax

`<iframe sandbox="value">`

Attribute Values

no value: Applies all restrictions etc.

No attribute value: allowscripts (not D) Reference: HTML <iframe> sandbox Attribute

NEW QUESTION 105

You develop an HTML5 webpage. You have the following JavaScript code:

```
01 $(document).ready(function () {
02
03     e.preventDefault();
04     ...
05 });
06 });
```

You need to handle the click event when a user clicks the showDialog button. Which code segment should you insert at line 02?

- A. `$(document).trigger("click", "#showDialog", function (e) {`
- B. `$(document).on("#showDialog", "click", function (e) {`
- C. `$(document).toggle("click", "#showDialog", function (e) {`
- D. `$(document).on("click", "#showDialog", function (e) {`

Answer: D

Explanation:

Syntax: `.on(events [, selector] [, data], handler)`

* Example:

```
$(function() {
```

```
$(document).on('click', '.get-widgets', function (e) { Reference: jQuery .on()
```

NEW QUESTION 110

You troubleshoot a webpage that contains the following HTML markup: (Line numbers are included for reference only.)

```

01 <div onclick="someEvent()">
02   <input type="radio" name="sizeRadio" id="sizeRadioSml" value="1" />
   <label for="sizeRadioSml">Small</label>
03   <input type="radio" name="sizeRadio" id="sizeRadioMed" value="2" />
   <label for="sizeRadioMed">Medium</label>
04   <input type="radio" name="sizeRadio" id="sizeRadioLrg" value="3" />
   <label for="sizeRadioLrg">Large</label>
05 </div>

```

The webpage also contains the following JavaScript function named `someEvent()` that is declared in the HEAD section of the HTML:

```

Function someEvent() { Alert('someEvent fired!');
}

```

The JavaScript function named `someEvent()` must run only when the user clicks the DIV element, not the INPUT elements.

You need to modify the webpage to invoke the JavaScript function named `someEvent()`. What should you do? (Each correct answer presents a complete solution. Choose two.)

- A. Modify all INPUT elements by using the following HTML attribute:

```
onclick="stopPropagation(event)"
```

Declare the JavaScript function named `stopPropagation()` in the HEAD section of the HTML as follows:

```

function stopPropagation(event) {
  event = event || window.event;
  if (event.stopPropagation) {
    event.stopPropagation();
  } else {
    event.cancelBubble = true;
  }
}

```

- B. Place all INPUT elements within a SPAN element.

- C. Replace the DIV element declaration at line 01 with the following HTML markup:

```
<div onclick="someEvent(this, event)">
```

Modify the JavaScript function named `someEvent()` as follows:

```

function someEvent( el, event ) {
  var target = event.srcElement || event.target;
  if( el === target ) {
    alert('someEvent fired!');
  }
}

```

- D. Replace the DIV element declaration at line 01 with the following HTML markup:

```
<div>
```

Modify all INPUT elements by using the following HTML attribute:

```
onclick="someEvent()"
```

- A. Option A
 B. Option B
 C. Option C
 D. Option D

Answer: AB

NEW QUESTION 111

You are developing an application to track project management for your company. The status of the project is stored in a variable named `percentComplete`. The method must execute only when `percentComplete` is equal to the numeric value 100. You need to develop the application to meet the requirement. Which code segment should you use?

- A.

```
if (percentComplete = 100 || percentComplete != 100) {
  ...
}
```
- B.

```
if (percentComplete = 100 && percentComplete != 100) {
  ...
}
```
- C.

```
if (percentComplete % 100) {
  ...
}
```
- D.

```
if (percentComplete === 100) {
  ...
}
```
- E.

```
if (percentComplete = 100) {
  ...
}
```

- A. Option A
- B. Option B
- C. Option C
- D. Option D

Answer: D

Explanation:

===: This is "strict" or "identical" equality.

Reference: JavaScript Triple Equals Operator vs Double Equals Operator (=== vs ==)

NEW QUESTION 113

DRAG DROP

You develop a website for a company by using HTML5. You have the following requirements:

Allow multiple news postings per page under the title "Welcome to the Semantic Web!". Search engines must be able to index individual news postings.

News postings must be styled by using the following CSS markup:

```
.posting { line-height: 150%; }
```

You need to structure the markup for each individual news posting.

How should you complete the relevant markup? (To answer, drag the appropriate markup to the correct location or locations in the answer area)

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

* The <article> element specifies independent, self-contained content. Examples of where an <article> element can be used:

Forum post
 Blog post

Newspaper article

* The <header> element specifies a header for a document or section.

* when declaring the div element we must refer to CSS style named posting with a class="posting" attribute.

Reference: HTML5 Semantic Elements

NEW QUESTION 115

You are creating a JavaScript object that represents a customer.

You need to extend the Customer object by adding the GetCommission method.

You need to ensure that all future instances of the Customer object implement the GetCommission method.

Which code segment should you use?

- A. `Customer.apply.GetCommission = function ()`
`{`
`alert('payroll');`
`}`
- B. `Customer.GetCommission = function () {`
`alert('payroll');`
`}`
- C. `Customer.prototype.GetCommission = function Customer.GetCommission ()`
`{`
`alert('payroll');`
`}`
- D. `Customer.prototype.GetCommission = function ()`
`{`
`alert('payroll');`
`}`

- A. Option A
 B. Option B
 C. Option C
 D. Option D

Answer: D

Explanation:

* Object.prototype.constructor

Returns a reference to the Object function that created the instance's prototype. Note that the value of this property is a reference to the function itself, not a string containing the function's name. The value is only read-only for primitive values such as 1, true and "test".

* The constructor property is created together with the function as a single property of func.prototype.

Reference: Object.prototype.constructor

NEW QUESTION 117

You are developing an HTML5 web application. The application loads data from a web service by using AJAX. The application displays the data by calling the displayData function. The data is loaded by using the following code.

```
var ajax = $.ajax({
  url: dataUri,
});
```

You need to ensure that the data is displayed when it is successfully retrieved from the web service. Which code segment should you use?

- A. `displayData(ajax.data);`
- B. `ajax.done = function (data) {`
`displayData(dataOperation);`
`};`
- C. `ajax.always = function (data) {`
`displayData(dataOperation);`
`};`
- D. `displayData(ajax.val());`

- A. Option A
 B. Option B
 C. Option C
 D. Option D

Answer: B

Explanation:

The deferred.done() method accepts one or more arguments, all of which can be either a single function or an array of functions. When the Deferred is resolved, the doneCallbacks are called. Callbacks are executed in the order they were added. Since deferred.done() returns the deferred object, other methods of the deferred object can be chained to this one, including additional .done() methods.

\$.ajax

Reference: JQuery, deferred.done()

NEW QUESTION 119

You are developing an application that retrieves a stock rate from an external web service. A web page displays a simple rotating animation to indicate whether the stock rate is increased or decreased.

The default image, as shown in the following graphic, indicates unchanged or neutral.



The arrow must point down if the stock rate is decreased, as shown in the following graphic.



You need to ensure that the arrow points down when the stock rate decreases. Which CSS style should you apply?

- A.

```
<style type="text/css">
div
{
width:20px;
height:20px;
transform:move (90deg);
}
</style>
```
- B.

```
<style type="text/css">
div
{
width:20px;
height:20px;
transform:rotate (-90deg);
}
</style>
```
- C.

```
<style type="text/css">
div
{
width:20px;
height:20px;
transform:move (-90deg);
}
</style>
```
- D.

```
<style type="text/css">
div
{
width:20px;
height:20px;
transform:rotate (90deg);
}
</style>
```

- A. Option A
 B. Option B
 C. Option C
 D. Option D

Answer: D

Explanation:

transform:rotate rotate(angle)

Defines a 2D rotation, the angle is specified in the parameter Syntax: object.style.transform="rotate(7deg)"

Reference: CSS3 transform Property

NEW QUESTION 124

You are developing an HTML5 web application that provides a discussion forum for users. When a user registers to access the application, the user enters an email address.

Users can enter data that can result in cross-site scripting (XSS) attacks. You need to ensure that email input is as secure as possible.

Which two techniques should you use? (Each correct answer presents a complete solution. Choose two.)

- A. Remove all nonalphanumeric characters before submitting data.
- B. Use the email tag in forms where the email address is entered.
- C. Display all email addresses inside of an HTML5 ADDRESS element.
- D. Use jQuery validation with a regular expression to ensure that email addresses are valid.
- E. Ensure that all form data is encrypted when it is submitted.

Answer: BD

Explanation:

B: The <input type="email"> is used for input fields that should contain an e-mail address. Depending on browser support, the e-mail address can be automatically validated when submitted.

Some smartphones recognize the email type, and adds ".com" to the keyboard to match email input. D: JQuery can be used to validate email addresses.

Reference: HTML Input Types; Email Validation Using jQuery Codes

NEW QUESTION 125

HOTSPOT

You are developing a form that captures a user's email address by using HTML5 and jQuery. The form must capture the form elements as a string.

You need to implement this functionality.

How should you develop the form? (To answer, select the appropriate options from the drop-down lists in the answer area.)

Answer Area

```
<!DOCTYPE html>
<html>
<head>
  <script src= "http://code.jquery.com/jquery-latest.js"></script>
</head>
<body>
  <form>
    <input type= "text" name= "email" / >
    <input type= "submit" value= "Submit" / >
  </form>
  <script>
    $("form"). submit ( function ( ) {
      var str;
```

▼

```
str = $("form") serialize();
str = decodeURIComponent(str);
str = $("form") contents.toString();
str = $ ("form").toLocaleString();
str = decodeURI(str);
```

▼

```
str = $("form") serialize();
str = decodeURIComponent(str);
str = $("form") contents.toString();
str = $ ("form").toLocaleString();
str = decodeURI(str);
```

```
    return true;
  });
</script>
</body>
</html>
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

```
<!DOCTYPE html>
<html>
<head>
  <script src= "http://code.jquery.com/jquery-latest.js"></script>
</head>
<body>
  <form>
    <input type= "text" name= "email" / >
    <input type= "submit" value= "Submit" / >
  </form>
  <script>
    $("form"). submit ( function ( ) {
      var str;
```

```
str = $("form") serialize();
str = decodeURIComponent(str);
str = $("form"). contents.toString();
str = $ ("form").toLocaleString();
str = decodeURI(str);
```

```
str = $("form") serialize();
str = decodeURIComponent(str);
str = $("form"). contents.toString();
str = $ ("form").toLocaleString();
str = decodeURI(str);
```

```
return true;
});
</script>
</body>
</html>
```

NEW QUESTION 126

HOTSPOT

You are validating user input by using JavaScript and regular expressions. A group of pre-defined regular expressions validate two input fields: You need to use the correct expression to validate the input.

Which expression should you insert into each function? To answer, select the appropriate options from the drop-down lists in the answer area.

Answer Area

```
function validateID(userinput) {
```

```
  var IDPattern =
```

```
/^d{1,2}(\-|V|\ )d{1,2}\1d{4}$/;
/^0-9]{3}\-?[0-9]{2}\-?[0-9]{4}$/;
/^0-9]{0}\^[0-9]{2}\^[0-9]{4}$/;
/^a-zA-Z0-9 -]+@[a-zA-Z0-9 -] +\[a-zA-Z]{2,4}$/;
/^0-9{3}+@[a-zA-Z0-9 _]+\[0-9]{2,4}$/;
```

```
  return IDPattern.test ( userinput ) ;
```

```
}
```

```
function validateEmail ( userinput) {
```

```
  var emailPattern =
```

```
/^d{1,2}(\-|V|\ )d{1,2}\1d{4}$/;
/^0-9]{3}\^[0-9]{2}\^[0-9]{4}$/;
/^0-9]{0}\^[0-9]{2}\^[0-9]{4}$/;
/^a-zA-Z0-9 -]+@[a-zA-Z0-9 -] +\[a-zA-Z]{2,4}$/;
/^0-9{3}+@[a-zA-Z0-9 _]+\[0-9]{2,4}$/;
```

```
  return emailPattern.test (userinput) ;
```

```
}
```

B. Not Mastered

Answer: A

Explanation:

Answer Area

```
function validateID(userinput) {
  var IDPattern = 
  return IDPattern.test ( userinput ) ;
}

function validateEmail ( userinput) {
  var emailPattern = 
  return emailPattern.test (userinput) ;
}
```

NEW QUESTION 131

HOTSPOT

You have the following markup.

```
<form id= "formLogin">
  <input type= "text" id= "fieldLoginName" />
  <input type= "password" id= "fieldPassword" value= "MySecretPassword" />
  <input type= "submit" onclick= "Validation ();" />
</form>
<script>
  $(document).ready (function ( ) {
    var fldPassword = document.getElementById("fieldPassword") ;
    fldPassword.value = "MyNewSecretPassword" ;
    alert(fldPassword.value) ;
  });
</script>
```

For each of the following statements, select yes if the statement is true. Otherwise, select No.

Answer Area

| Statements | Yes | No |
|---|-----------------------|-----------------------|
| A default value is set for the filedPassword field. | <input type="radio"/> | <input type="radio"/> |
| As a user types in the fieldPassword field, the typed characters will be masked. | <input type="radio"/> | <input type="radio"/> |
| When the page loads, an alert will be displayed that shows the current value of the fieldPassword field as MyNewSecretPassword. | <input type="radio"/> | <input type="radio"/> |

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

| Statements | Yes | No |
|---|----------------------------------|-----------------------|
| A default value is set for the filedPassword field. | <input checked="" type="radio"/> | <input type="radio"/> |
| As a user types in the fieldPassword field, the typed characters will be masked. | <input checked="" type="radio"/> | <input type="radio"/> |
| When the page loads, an alert will be displayed that shows the current value of the fieldPassword field as MyNewSecretPassword. | <input checked="" type="radio"/> | <input type="radio"/> |

NEW QUESTION 133

HOTSPOT

You have the following code:

```
var var1 = parseInt('12', 10);
var var2 = parseInt('aaa', 10);
var var3 = parseInt('12px', 10);
var var4 = parseInt('foo2', 10);
var var5 = parseInt('12a5', 10);
```

You need to identify the correct value of each variable.

What should you identify? To answer, drag the appropriate values to the correct variables in the answer area

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

References: http://www.w3schools.com/jsref/jsref_parseint.asp

NEW QUESTION 136

You need to parse an XML formatted string. Which object should you use?

- A. Map
- B. DataView
- C. DOMParser
- D. JSON

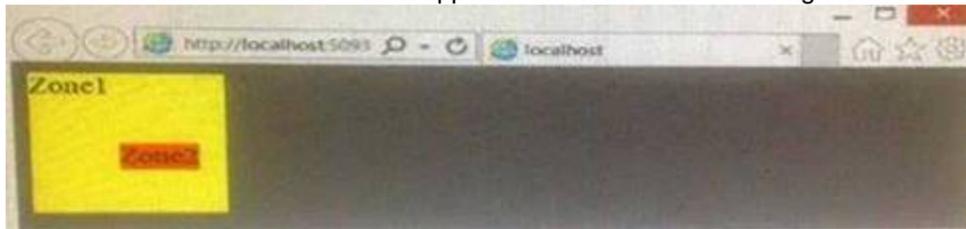
Answer: C

NEW QUESTION 141

You have the following code.

```
<div style= "background: yellow; height: 100px; width:100px"> Zone1
<span style= "background: red; position: Target 1; margin-top: 50px;" > Zone2 </span>
</div>
```

You need to ensure that the screen appears as shown in the following exhibit:



Which position should you use for Target 1?

- A. static
- B. fixed
- C. initial
- D. inherit

Answer: B

Explanation:

References:

http://www.w3schools.com/cssref/pr_class_position.asp

NEW QUESTION 143

DRAG DROP

You develop the following code:

```
var isBig = function (nb) {
  if (nb>10)
    return true;
  else
    return false;
}

displayAlertIfBigNumber = function (aNumber)
{
  switch (Target 1) {
    case Target 2:
      alert ("aNumber is big")
      Target 3;
      Target 4;
      alert ("aNumber is not big");
      break
  }
}
```

You need to complete the code to meet the following requirements:

How should you complete the code? To answer, drag the appropriate code elements to the correct targets in the answer are

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

| Code elements | Answer Area |
|----------------|--------------------------|
| aNumber | Target 1: isBig(aNumber) |
| break | Target 2: true |
| default | Target 3: break |
| isBig(aNumber) | Target 4: default |
| true | |

NEW QUESTION 144

DRAG DROP

You have the following markup:

```
<style>
  .flex1 {
    Target 1 : Target 2;
  }
  .flex2 {
    Target 3 : Target 4;
  }
</style>
<div style="display:flex;height:300px;background-color:red">
  <div class="flex1" style="background-color:yellow;border:dotted">
  </div>
  <div class="flex2" style="background-color:grey;border:dotted">
  </div>
</div>
```

You need to complete the styles to meet the following requirements:

How should you complete the styles? To answer, drag the appropriate code elements to the correct targets in the answer area. Each code element may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

| Code elements | Answer Area |
|---------------|--------------------------------|
| flex | Target 1: <input type="text"/> |
| width | Target 2: <input type="text"/> |
| 1 | Target 3: <input type="text"/> |
| 2 | Target 4: <input type="text"/> |
| 3 | |

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Target 1: Flex

Target 2: 1

Target 3: Flex

Target 4: 2

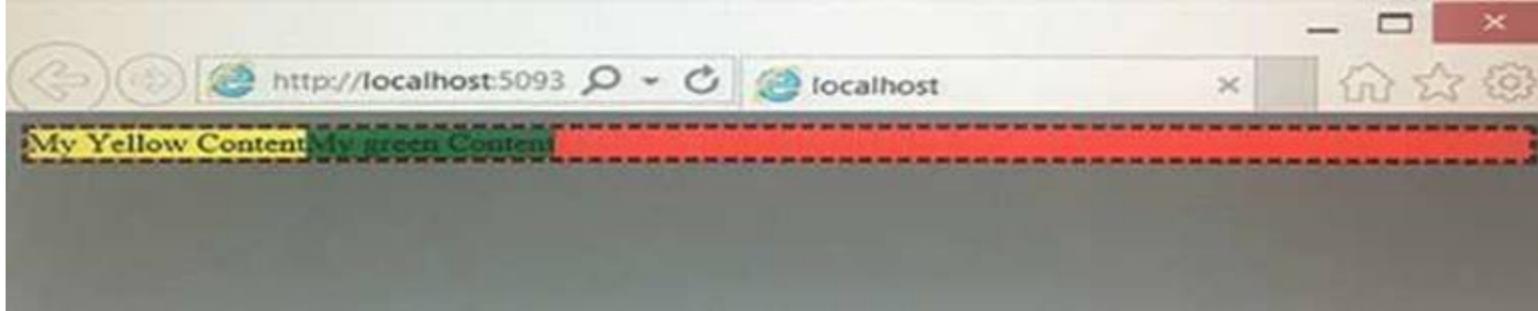
<https://css-tricks.com/snippets/css/a-guide-to-flexbox/>

NEW QUESTION 145

You have the following code:

```
<body>
<div id="red" style="background-color:red;border:dashed;">
  <div id="yellow" style="background-color:yellow;">My Yellow Content</div>
  <div id="green" style="background-color:green;">My green Content</div>
</div>
</body>
```

You need to ensure that the content appears as shown in the following exhibit:



Which display attribute should you use for the red div?

- A. grid
- B. inline
- C. block
- D. flex

Answer: B

Explanation:

https://www.w3schools.com/cssref/pr_class_display.asp

NEW QUESTION 147

You are developing a web application in HTML. You have the following HTML code.

```
<div id="footer"></div>
```

You need to ensure that the div footer contains the text "All rights reserved". Which line of code should you use?

- A. document("footer") = "All rights reserved";
- B. document("footer").innerHTML = "All rights reserved";
- C. \$("footer").value = "All rights reserved";
- D. \$("#footer").html("All rights reserved");

Answer: B

Explanation:

https://www.codecademy.com/en/forum_questions/557ea03cd3292f72d10006bf

NEW QUESTION 151

You are developing an application in HTML5. The application contains the following HTML markup.

```
<div>
  <h1>Resources</h1>
  <a href="http://contoso.com/people.aspx">People</a>
  <a href="http://contoso.com/orgProducts.aspx">Products</a>
  <a href="http://wiki.contoso.org">Resources</a>
  ...
</div>
```

You need to ensure that all of the links referencing domain names ending in .org are displayed in red text. What should you use?

- A. a JSON parse function
- B. a CSS attribute selector
- C. a CSS pseudo-element
- D. a JSON stringify function.

Answer: B

NEW QUESTION 154

A web application has a web page that contains an HTML5 CANVAS element. A web extracts messages from the CANVAS element. You need to ensure that the web worker can read the message sent by the web page.

Which three object types can you use?

- A. JavaScript

- B. DOM
- C. parent
- D. Window
- E. string
- F. JSON

Answer: AEF

Explanation:

References: <https://www.html5rocks.com/en/tutorials/workers/basics/>

NEW QUESTION 155

You develop an application in HTML5. The application has a field named field1 that uses the month input type. You need to identify what will occur if the application runs from a browser that does not support the month input type. What should you identify?

- A. The field1 field will be rendered as a text box.
- B. The field1 field will appear as alabel named month.
- C. The web page will display an error message.
- D. The field1 field will not be displayed.

Answer: A

Explanation:

References: <https://stackoverflow.com/questions/18020950/how-to-make-input-type-date-supported-on-all-browsers-any-alternatives>

NEW QUESTION 159

DRAG DROP

You have the following HTML markup.

```
<div>
  <canvas id="canvas1" width="500" height="500">
    Your browser doesn't support HTML5.
  </canvas>
  <button id="btnDraw" onclick="drawOnCanvas()">Draw</button>
</div>
```

You need to ensure that when a user presses btnDraw, a rectangle that has the following characteristics is drawn:

The y-coordinate must equal 10. The x-coordinate must equal 10.

The rectangle must have a height and width of 100. The solution must use local variables only.

Which five JavaScript code segments should you use? Develop the solution by selecting and arranging the required code blocks in the correct order.

Code segments

- var context = canvas.getContext('2d');
- }
- var context = canvas.getContext('3d');
- context.fillRect(100, 100, 10, 10);
- var canvas = document.getElementById('canvas1');
- context.fillRect(10, 10, 100, 100);
- function drawOnCanvas() {
- var canvas = document.getElementsByName('canvas1');

Answer Area



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

```
function drawOnCanvas() {
    var canvas = document.getElementById('canvas1');
    var context = canvas.getContext('2d');
    context.fillRect(10, 10, 100, 100);
}
```

NEW QUESTION 162

You would like to create web applications and Windows 8 Windows Store applications by using HTML5, JavaScript, and CSS3, but while you're learning, you don't want to buy Visual Studio 2012. Which of the following Visual Studio 2012 editions can you use for free to accomplish your goal?

- A. Visual Studio Professional 2012
- B. Visual Studio Premium 2012
- C. Visual Studio Ultimate 2012
- D. Visual Studio Express 2012 for Web and Visual Studio Express 2012 for Windows 8

Answer: D

Explanation:

References:
http://www.daoudisamir.com/references/vs_ebooks/html5_css3.pdf

NEW QUESTION 165

You would like to create a Windows 8 application by using Blend and HTML5, JavaScript, and CSS3. Which feature of Blend enables you to pause an application when it reaches a desired state so you can set the style rules for the page and its controls while in this state? (Choose all that apply.)

- A. Assets panel
- B. Projects panel
- C. Visual Design
- D. Interactive mode

Answer: CD

Explanation:

References:
http://www.daoudisamir.com/references/vs_ebooks/html5_css3.pdf

NEW QUESTION 167

On which panel can you see a hierarchically structured view of the DOM?

- A. Live DOM
- B. Projects
- C. Assets
- D. Device

Answer: A

Explanation:

References: http://www.daoudisamir.com/references/vs_ebooks/html5_css3.pdf

NEW QUESTION 169

You are creating a new Windows 8 application, and you want to set up TDD for your JavaScript code. Which testing framework will you use

- A. QUnit
- B. QUnit-Metro
- C. Microsoft Test

D. NUnit

Answer: B

Explanation:

References: http://www.daoudisamir.com/references/vs_ebooks/html5_css3.pdf

NEW QUESTION 170

What are the steps for TDD?

- A. Write the passing test, write the code, run the test again to validate that it still passes.
- B. Write the failing test, write the code, run the test again to validate that it passes.
- C. Write the code, write the test to validate that it passes, run the test again to validate that it still passes.
- D. Write the passing test, write the code, break the code, run the test again to validate that it fails.

Answer: B

Explanation:

References: http://www.daoudisamir.com/references/vs_ebooks/html5_css3.pdf

NEW QUESTION 173

NOTE: This question is a part of series of questions that presents the same scenario. Each question in the series contains unique solution that might meet the started goals. Some questions sets might have more than one correct solution, while others might not have a correct solution. After you answer a question in this section. you will not be able to return to it. As a result, these questions will not appear in the review screen. You have the following HTML5 and CSS3 markup within a webpage.

```
<nav id="mainmenu" class="page-nav">
  <div id="navlist" class="container">
    <a href="index.html">Home</a>
    <a href="register.html">Register</a>
  </div>
</nav>
```

You need to set the background color of the Home link to yellow. The solution can affect the color of the other elements.

Solution: You use the following style:

```
<style>
  div ~ a{
    background-color: yellow;
  }
</style>
```

Does this meet the goal?

- A. Yes
- B. No

Answer: A

NEW QUESTION 178

DRAG DROP

You have the following markup.

```
<form name="myForm" action="doSomething.aspx"
  onsubmit="return validateForm()" method="post">
  First name: <input type="text" name="fname">
  <input type="submit" value="Submit">
</form>
```

You need to ensure that the form can be submitted only if fname contains dat a. You write the following code.

```
function validateForm()
{
  var x = document.forms[Target 1][Target 2].value;
  if (x Target 3 null Target 4 x Target 5 "")
  {
    alert("First name must be filled out");
    return false;
  }
}
```

How should you complete the code? To answer, drag the appropriate code elements to the correct targets. Each code element maybe used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content. NOTE: Each correct selection is worth one point.

Code elements

-
-
-
-
-
-

Answer Area

- Target 1:
- Target 2:
- Target 3:
- Target 4:
- Target 5:

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:
 Target 1: "myForm"
 Target 2: "fname"
 Target 3: ==
 Target 4: ||
 Target 5: == References:

NEW QUESTION 182

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