

1z0-830 Dumps

Java SE 21 Developer Professional

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NEW QUESTION 1

What does the following code print? java

```
import java.util.stream.Stream;
public class StreamReduce {
public static void main(String[] args) {
Stream<String> stream = Stream.of("J", "a", "v", "a"); System.out.print(stream.reduce(String::concat));
}
}
```

- A. Optional[Java]
- B. Java
- C. null
- D. Compilation fails

Answer: A

NEW QUESTION 2

Given: java

```
public class Versailles { int mirrorsCount;
int gardensHectares;
void Versailles() { // n1 this.mirrorsCount = 17;
this.gardensHectares = 800;
System.out.println("Hall of Mirrors has " + mirrorsCount + " mirrors."); System.out.println("The gardens cover " + gardensHectares + " hectares.");
}
public static void main(String[] args) { var castle = new Versailles(); // n2
}
}
```

What is printed?

- A. nginxHall of Mirrors has 17 mirror
- B. The gardens cover 800 hectares.
- C. Nothing
- D. An exception is thrown at runtime.
- E. Compilation fails at line n1.
- F. Compilation fails at line n2.

Answer: D

NEW QUESTION 3

Given: java

```
public class Test {
class A {
}
static class B {
}
public static void main(String[] args) {
// Insert here
}
}
```

Which three of the following are valid statements when inserted into the given program?

- A. A a = new A();
- B. B b = new Test.B();
- C. A a = new Test.A();
- D. B b = new Test().new B();
- E. B b = new B();
- F. A a = new Test().new A();

Answer: BEF

NEW QUESTION 4

Given:

```
var cabarets = new TreeMap<>(); cabarets.put(1, "Moulin Rouge"); cabarets.put(2, "Crazy Horse"); cabarets.put(3, "Paradis Latin"); cabarets.put(4, "Le Lido");
cabarets.put(5, "Folies Berg??re");
System.out.println(cabarets.subMap(2, true, 5, false)); What is printed?
```

- A. CopyEdit{2=Crazy Horse, 3=Paradis Latin, 4=Le Lido, 5=Folies Berg??re}
- B. {2=Crazy Horse, 3=Paradis Latin, 4=Le Lido}
- C. {}
- D. An exception is thrown at runtime.
- E. Compilation fails.

Answer: B

NEW QUESTION 5

Which of the following statements are correct?

- A. You can use 'private' access modifier with all kinds of classes
- B. You can use 'protected' access modifier with all kinds of classes
- C. You can use 'public' access modifier with all kinds of classes
- D. You can use 'final' modifier with all kinds of classes
- E. None

Answer: E

NEW QUESTION 6

Which of the following java.io.Console methods doesnotexist?

- A. read()
- B. reader()
- C. readLine()
- D. readLine(String fmt, Object... args)
- E. readPassword()
- F. readPassword(String fmt, Object... args)

Answer: A

NEW QUESTION 7

Given: java

```
Period p = Period.between( LocalDate.of(2023, Month.MAY, 4),  
LocalDate.of(2024, Month.MAY, 4)); System.out.println(p);  
Duration d = Duration.between( LocalDate.of(2023, Month.MAY, 4),  
LocalDate.of(2024, Month.MAY, 4)); System.out.println(d);
```

What is the output?

- A. P1Y PT8784H
- B. PT8784H P1Y
- C. UnsupportedTemporalTypeException
- D. P1YUnsupportedTemporalTypeException

Answer: D

NEW QUESTION 8

Given: java

```
List<String> abc = List.of("a", "b", "c"); abc.stream()  
.forEach(x -> {  
x = x.toUpperCase();  
});  
abc.stream()  
.forEach(System.out::print);
```

 What is the output?

- A. abc
- B. An exception is thrown.
- C. Compilation fails.
- D. ABC

Answer: A

NEW QUESTION 9

Given: java

```
int post = 5; int pre = 5;  
int postResult = post++ + 10; int preResult = ++pre + 10;  
System.out.println("postResult: " + postResult +  
", preResult: " + preResult +  
", Final value of post: " + post + ", Final value of pre: " + pre);
```

 What is printed?

- A. postResult: 15, preResult: 16, Final value of post: 6, Final value of pre: 6
- B. postResult: 16, preResult: 16, Final value of post: 6, Final value of pre: 6
- C. postResult: 15, preResult: 16, Final value of post: 5, Final value of pre: 6
- D. postResult: 16, preResult: 15, Final value of post: 6, Final value of pre: 5

Answer: A

NEW QUESTION 10

A module com.eiffeltower.shop with the related sources in the src directory.

That module requires com.eiffeltower.membership, available in a JAR located in the lib directory.

What is the command to compile the module com.eiffeltower.shop?

- A. bashCopyEditjavac -source src -p lib/com.eiffel.membership.jar -d out -m com.eiffeltower.shop
- B. css CopyEditjavac --module-source-path src -p lib/com.eiffel.membership.jar -d out -m com.eiffeltower.shop
- C. css CopyEditjavac --module-source-path src -p lib/com.eiffel.membership.jar -s out -m com.eiffeltower.shop
- D. css CopyEditjavac -path src -p lib/com.eiffel.membership.jar -d out -m com.eiffeltower.shop

Answer: B

NEW QUESTION 10

Given: java
var hauteCouture = new String[]{ "Chanel", "Dior", "Louis Vuitton" }; var i = 0;
do {
System.out.print(hauteCouture[i] + " ");
} while (i++ > 0); What is printed?

- A. Chanel
- B. Chanel Dior Louis Vuitton
- C. An ArrayIndexOutOfBoundsException is thrown at runtime.
- D. Compilation fails.

Answer: A

NEW QUESTION 11

Consider the following methods to load an implementation of MyService using ServiceLoader. Which of the methods are correct? (Choose all that apply)

- A. MyService service = ServiceLoader.load(MyService.class).iterator().next();
- B. MyService service = ServiceLoader.load(MyService.class).findFirst().get();
- C. MyService service = ServiceLoader.getService(MyService.class);
- D. MyService service = ServiceLoader.services(MyService.class).getFirstInstance();

Answer: AB

NEW QUESTION 13

Given: java
var counter = 0; do {
System.out.print(counter + " ");
} while (++counter < 3);
What is printed?

- A. 0 1 2 3
- B. 0 1 2
- C. 1 2 3 4
- D. 1 2 3
- E. An exception is thrown.
- F. Compilation fails.

Answer: B

NEW QUESTION 15

Given: java
List<Integer> integers = List.of(0, 1, 2); integers.stream()
.peek(System.out::print)
.limit(2)
.forEach(i -> {});
What is the output of the given code fragment?

- A. Compilation fails
- B. An exception is thrown
- C. 01
- D. 012
- E. Nothing

Answer: C

NEW QUESTION 18

Given: java
public class ThisCalls { public ThisCalls() { this(true);
}
public ThisCalls(boolean flag) { this();
}
}

Which statement is correct?

- A. It does not compile.
- B. It throws an exception at runtime.
- C. It compiles.

Answer: A

NEW QUESTION 21

Given: java
Optional<String> optionalName = Optional.ofNullable(null);
String bread = optionalName.orElse("Baguette"); System.out.print("bread:" + bread);
String dish = optionalName.orElseGet(() -> "Frog legs"); System.out.print(", dish:" + dish);
try {
String cheese = optionalName.orElseThrow(() -> new Exception()); System.out.println(", cheese:" + cheese);
}

```
} catch (Exception exc) { System.out.println(" no cheese.");  
}
```

What is printed?

- A. bread:Baguette, dish:Frog legs, cheese.
- B. bread:Baguette, dish:Frog legs, no cheese.
- C. bread:bread, dish:dish, cheese.
- D. Compilation fails.

Answer: B

NEW QUESTION 25

Given: java

```
ExecutorService service = Executors.newFixedThreadPool(2); Runnable task = () -> System.out.println("Task is complete");  
service.submit(task); service.shutdown(); service.submit(task);
```

What happens when executing the given code fragment?

- A. It prints "Task is complete" once and throws an exception.
- B. It prints "Task is complete" twice and throws an exception.
- C. It exits normally without printing anything to the console.
- D. It prints "Task is complete" twice, then exits normally.
- E. It prints "Task is complete" once, then exits normally.

Answer: A

NEW QUESTION 26

Which of the following methods of java.util.function.Predicate are default methods?

- A. and(Predicate<? super T> other)
- B. isEqual(Object targetRef)
- C. negate()
- D. not(Predicate<? super T> target)
- E. or(Predicate<? super T> other)
- F. test(T t)

Answer: ACE

NEW QUESTION 30

Which methods compile?

- A. `java public List<? super IOException> getListSuper() { return new ArrayList<Exception>(); }csharp`
- B. `javapublic List<? extends IOException> getListExtends() { return new ArrayList<FileNotFoundException>();}`
- C. `java public List<? extends IOException> getListExtends() { return new ArrayList<Exception>(); }csharp`
- D. `javapublic List<? super IOException> getListSuper() { return new ArrayList<FileNotFoundException>();}`

Answer: AB

NEW QUESTION 31

Which of the following does not exist?

- A. BooleanSupplier
- B. DoubleSupplier
- C. LongSupplier
- D. Supplier<T>
- E. BiSupplier<T, U, R>
- F. They all exist.

Answer: E

NEW QUESTION 35

Given: java

```
interface Calculable { long calculate(int i);  
}
```

```
public class Test {  
    public static void main(String[] args) { Calculable c1 = i -> i + 1; // Line 1 Calculable c2 = i -> Long.valueOf(i); // Line 2  
    Calculable c3 = i -> { throw new ArithmeticException(); }; // Line 3  
}
```

Which lines fail to compile?

- A. Line 1 and line 3
- B. Line 2 only
- C. Line 1 only
- D. Line 1 and line 2
- E. Line 2 and line 3
- F. Line 3 only
- G. The program successfully compiles

Answer: G

NEW QUESTION 39

Given: java

```
public class OuterClass {
    String outerField = "Outer field"; class InnerClass {
    void accessMembers() { System.out.println(outerField);
    }
    }
    public static void main(String[] args) { System.out.println("Inner class:"); System.out.println("-----");
    OuterClass outerObject = new OuterClass(); InnerClass innerObject = new InnerClass(); // n1 innerObject.accessMembers(); // n2
    }
    }
```

What is printed?

- A. markdown Inner class:-----Outer field
- B. Nothing
- C. An exception is thrown at runtime.
- D. Compilation fails at line n1.
- E. Compilation fails at line n2.

Answer: D

NEW QUESTION 42

Given: java

```
LocalDate localDate = LocalDate.of(2020, 8, 8); Date date = java.sql.Date.valueOf(localDate);
DateFormat formatter = new SimpleDateFormat(/* pattern */); String output = formatter.format(date); System.out.println(output);
It's known that the given code prints out "August 08". Which of the following should be inserted as the pattern?
```

- A. MM d
- B. MM dd
- C. MMMM dd
- D. MMM dd

Answer: C

NEW QUESTION 47

Given: java

```
Object myVar = 0;
String print = switch (myVar) { case int i -> "integer";
case long l -> "long"; case String s -> "string"; default -> ""
};
System.out.println(print); What is printed?
```

- A. integer
- B. long
- C. string
- D. nothing
- E. It throws an exception at runtime.
- F. Compilation fails.

Answer: F

NEW QUESTION 52

Given: java

```
record WithInstanceField(String foo, int bar) { double fuz;
}
record WithStaticField(String foo, int bar) { static double wiz;
}
record ExtendingClass(String foo) extends Exception {}
record ImplementingInterface(String foo) implements Cloneable {} Which records compile? (Select 2)
```

- A. ExtendingClass
- B. WithInstanceField
- C. ImplementingInterface
- D. WithStaticField

Answer: CD

NEW QUESTION 57

Which of the following can be the body of a lambda expression?

- A. Two statements
- B. An expression and a statement
- C. A statement block
- D. None of the above
- E. Two expressions

Answer: C

NEW QUESTION 59

Given: java

```
final Stream<String> strings = Files.readAllLines(Paths.get("orders.csv")); strings.skip(1)
.limit(2)
.forEach(System.out::println);
```

And that the orders.csv file contains: mathematica

```
OrderID,Customer,Product,Quantity,Price 1,Kylian Mbapp??,Keyboard,2,25.50 2,Teddy Riner,Mouse,1,15.99 3,Sebastien Loeb,Monitor,1,199.99 4,Antoine
Griezmann,Headset,3,45.00
```

 What is printed?

- A. arduino1,Kylian Mbapp??,Keyboard,2,25.50 2,Teddy Riner,Mouse,1,15.993,Sebastien Loeb,Monitor,1,199.99 4,Antoine Griezmann,Headset,3,45.00
- B.arduino1,Kylian Mbapp??,Keyboard,2,25.50 2,Teddy Riner,Mouse,1,15.99
- B. arduino2,Teddy Riner,Mouse,1,15.99 3,Sebastien Loeb,Monitor,1,199.99
- C. An exception is thrown at runtime.
- D. Compilation fails.

Answer: DE

NEW QUESTION 62

Given: java

Object input = 42;

```
String result = switch (input) {
```

```
case String s -> "It's a string with value: " + s; case Double d -> "It's a double with value: " + d; case Integer i -> "It's an integer with value: " + i;
};
```

```
System.out.println(result);
```

 What is printed?

- A. null
- B. It's a string with value: 42
- C. It's a double with value: 42
- D. It's an integer with value: 42
- E. It throws an exception at runtime.
- F. Compilation fails.

Answer: F

NEW QUESTION 64

Given: java

```
Map<String, Integer> map = Map.of("b", 1, "a", 3, "c", 2); TreeMap<String, Integer> treeMap = new TreeMap<>(map); System.out.println(treeMap);
```

What is the output of the given code fragment?

- A. {c=2, a=3, b=1}
- B. {b=1, a=3, c=2}
- C. {b=1, c=2, a=3}
- D. {c=1, b=2, a=3}
- E. Compilation fails
- F. {a=3, b=1, c=2}
- G. {a=1, b=2, c=3}

Answer: F

NEW QUESTION 68

Given: java

```
var lyrics = ""
```

```
Quand il me prend dans ses bras Qu'il me parle tout bas
```

```
Je vois la vie en rose "";
```

```
for ( int i = 0, int j = 3; i < j; i++ ) { System.out.println( lyrics.lines()
```

```
.toList()
```

```
.get( i ) );
```

```
}
```

What is printed?

- A. vbnetQuand il me prend dans ses bras Qu'il me parle tout basJe vois la vie en rose
- B. Nothing
- C. An exception is thrown at runtime.
- D. Compilation fails.

Answer: D

NEW QUESTION 73

Given: java

```
double amount = 42_000.00;
```

```
NumberFormat format = NumberFormat.getCompactNumberInstance(Locale.FRANCE, NumberFormat.Style.SHORT);
```

```
System.out.println(format.format(amount));
```

 What is the output?

- A. 42000E
- B. 42 000,00 €
- C. 42000

D. 42 k

Answer: D

NEW QUESTION 74

Given: java

```
var deque = new ArrayDeque<>(); deque.add(1);
deque.add(2);
deque.add(3);
deque.add(4);
deque.add(5); System.out.print(deque.peek() + " "); System.out.print(deque.poll() + " "); System.out.print(deque.pop() + " "); System.out.print(deque.element() + " "); What is printed?
```

- A. 1 1 1 1
- B. 1 5 5 1
- C. 1 1 2 3
- D. 1 1 2 2
- E. 5 5 2 3

Answer: C

NEW QUESTION 78

Given: java

```
public class SpecialAddition extends Addition implements Special { public static void main(String[] args) {
System.out.println(new SpecialAddition().add());
}
int add() {
return --foo + bar--;
}
}
class Addition { int foo = 1;
}
interface Special { int bar = 1;
}
What is printed?
```

- A. 1
- B. 2
- C. It throws an exception at runtime.
- D. Compilation fails.

Answer: E

NEW QUESTION 82

Given: java

```
public class BoomBoom implements AutoCloseable { public static void main(String[] args) {
try (BoomBoom boomBoom = new BoomBoom()) { System.out.print("bim ");
throw new Exception();
} catch (Exception e) { System.out.print("boom ");
}
}
@Override
public void close() throws Exception { System.out.print("bam ");
throw new RuntimeException();
}
}
What is printed?
```

- A. bim boom bam
- B. bim bam boom
- C. bim boom
- D. bim bam followed by an exception
- E. Compilation fails.

Answer: B

NEW QUESTION 83

What do the following print? java

```
public class DefaultAndStaticMethods { public static void main(String[] args) { WithStaticMethod.print();
}
}
interface WithDefaultMethod { default void print() { System.out.print("default");
}
}
interface WithStaticMethod extends WithDefaultMethod { static void print() {
System.out.print("static");
}
}
}
```

- A. nothing
- B. default
- C. Compilation fails
- D. static

Answer: D

NEW QUESTION 84

How would you create a ConcurrentHashMap configured to allow a maximum of 10 concurrent writer threads and an initial capacity of 42? Which of the following options meets this requirement?

- A. `var concurrentHashMap = new ConcurrentHashMap(42);`
- B. None of the suggestions.
- C. `var concurrentHashMap = new ConcurrentHashMap();`
- D. `var concurrentHashMap = new ConcurrentHashMap(42, 10);`
- E. `var concurrentHashMap = new ConcurrentHashMap(42, 0.88f, 10);`

Answer: E

NEW QUESTION 89

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