

Microsoft

Exam Questions GH-300

GitHub Copilot Exam



NEW QUESTION 1

Which GitHub Copilot plan allows for prompt and suggestion collection?

- A. GitHub Copilot Individuals
- B. GitHub Copilot Business
- C. GitHub Copilot Enterprise
- D. GitHub Copilot Codespace

Answer: C

NEW QUESTION 2

How does GitHub Copilot Chat utilize its training data and external sources to generate responses when answering coding questions?

- A. It primarily relies on the model's training data to generate responses.
- B. It primarily uses search results from Bing to generate responses.
- C. It combines its training data set, code in user repositories, and external sources like Bing to generate responses.
- D. It uses user-provided documentation exclusively to generate responses.

Answer: C

NEW QUESTION 3

When using GitHub Copilot Chat to generate boilerplate code for various test types, how can you guide the AI to follow the testing standards of your company?

- A. By using a specific setting in GitHub Copilot's configuration.
- B. By using a specific command in the terminal.
- C. By using specific prompt examples in your chat request.
- D. By using a specific slash command in the prompt.

Answer: C

NEW QUESTION 4

Why might a Generative AI (Gen AI) tool create inaccurate outputs?

- A. The Gen AI tool is overloaded with too many requests at once.
- B. The Gen AI tool is experiencing downtime and is not fully recovered.
- C. The Gen AI tool is programmed with a focus on creativity over factual accuracy.
- D. The training data might contain biases or inconsistencies.

Answer: D

NEW QUESTION 5

How can GitHub Copilot assist in maintaining consistency across your tests?

- A. By identifying a pattern in the way you write tests and suggesting similar patterns for future tests.
- B. By automatically fixing all tests in the code based on the context.
- C. By providing documentation references based on industry best practices.
- D. By writing the implementation code for the function based on context.

Answer: A

NEW QUESTION 6

How can GitHub Copilot assist developers during the requirements analysis phase of the Software Development Life Cycle (SDLC)?

- A. By automatically generating detailed requirements documents.
- B. By providing templates and code snippets that help in documenting requirements.
- C. By identifying and fixing potential requirement conflicts when using /help.
- D. By managing stakeholder communication and meetings.

Answer: B

NEW QUESTION 7

If you are working on open source projects, GitHub Copilot Individual can be paid:

- A. Based on the payment method in your user profile
- B. N/A – Copilot Individual is a free service for all open source projects
- C. Through an invoice or a credit card
- D. Through an Azure Subscription

Answer: A

NEW QUESTION 8

What method can a developer use to generate sample data with GitHub Copilot? (Each correct answer presents part of the solution. Choose two.)

- A. Utilizing GitHub Copilot's ability to create fictitious information from patterns in training data.
- B. Leveraging GitHub Copilot's ability to independently initiate and manage data storage services.
- C. Utilize GitHub Copilot's capability to directly access and use databases to create sample data.
- D. Leveraging GitHub Copilot's suggestions to create data based on API documentation in the repository.

Answer: AD

NEW QUESTION 9

When using an IDE with a supported GitHub Copilot plug-in, which Chat features can be accessed from within the IDE? (Each correct answer presents part of the solution. Choose two.)

- A. Explain code and suggest improvements
- B. Generate unit tests
- C. Plan coding tasks
- D. Find out about releases and commits

Answer: AB

NEW QUESTION 10

Which principle emphasizes that AI systems should be understandable and provide clear information on how they work?

- A. Fairness
- B. Transparency
- C. Inclusiveness
- D. Accountability

Answer: B

NEW QUESTION 10

How can the concept of fairness be integrated into the process of operating an AI tool?

- A. Focusing on accessibility will ensure fairness.
- B. Focusing on collecting large datasets for training will ensure fairness.
- C. Regularly monitoring the AI tool's performance will ensure fairness in its outputs.
- D. Training AI data and algorithms to be free from biases will ensure fairness.

Answer: D

NEW QUESTION 13

How is GitHub Copilot Individual billed? (Each correct answer presents part of the solution. Choose two.)

- A. Monthly as a subscription
- B. Annually as a subscription
- C. Monthly, as a metered service based on actual consumption
- D. Free (not billed) for all open source projects

Answer: AB

NEW QUESTION 16

What two options navigate to configure duplicate detection? (Each correct answer presents part of the solution. Choose two.)

- A. Enterprise settings Copilot Policies
- B. Repository settings Copilot Policies
- C. Organization settings Copilot Policies
- D. User settings Copilot Policies

Answer: AC

NEW QUESTION 21

How can the insights gained from the metrics API be used to improve the development process in conjunction with GitHub Copilot?

- A. Real-time debugging and error resolution statistics.
- B. Insights on the types of coding languages where GitHub Copilot is most helpful.
- C. Automated generation of complete project documentation.
- D. Detailed analysis of GitHub Copilot's suggestions v
- E. manual coding.

Answer: D

NEW QUESTION 23

How can GitHub Copilot facilitate a smoother learning experience when diving into a new programming language? (Each correct answer presents part of the solution. Choose two.)

- A. GitHub Copilot Chat can provide guidance and support for common coding tasks and challenges in the targeted programming language.
- B. GitHub Copilot's /understand command will help GitHub Copilot to understand code written in a targeted programming language.

- C. GitHub Copilot can provide contextualized code suggestions and answer sources from an organization's documentation.
- D. GitHub Copilot can convert comments into code to grasp the syntax and nuances of a new programming language.

Answer: AD

NEW QUESTION 24

How do you generate code suggestions with GitHub Copilot in the CLI?

- A. Write code comments -> Press the suggestion shortcut -> Select the best suggestion from the list.
- B. Use copilot suggest -> Write the command you want -> Select the best suggestion from the list.
- C. Type out the code snippet -> Use the copilot refine command to enhance it -> Review the suggested command.
- D. Describe the project's architecture -> Use the copilot generate command -> Accept the generated suggestion.

Answer: A

NEW QUESTION 29

A team is using GitHub Copilot Individual in their daily development activities. They need to exclude specific files from being used to inform code completion suggestions. How can they achieve this?

- A. Have an organization owner configure content exclusions
- B. Add a .gitignore file to the repo
- C. Have a repo administrator configure content exclusions
- D. Use the #file Chat variable to exclude the files
- E. Upgrade to Copilot Business

Answer: E

NEW QUESTION 31

Where can you validate if GitHub Copilot is not returning suggestions because of content exclusions?

- A. The GitHub Copilot icon in the status bar of the editor will display a message
- B. The GitHub Copilot logs on GitHub.com under your user settings
- C. The code suggestions window will display a warning message
- D. The GitHub Copilot errors panel in your IDE

Answer: A

NEW QUESTION 35

How does GitHub Copilot utilize chat history to enhance its code completion capabilities?

- A. By using chat history to offer personalized code snippets based on previous prompts.
- B. By logging chat history to monitor user activity and ensure compliance with coding standards.
- C. By analyzing past chat interactions to identify common programming patterns and errors.
- D. By sharing chat history with third-party services to improve integration and functionality.

Answer: C

NEW QUESTION 38

Which of the following steps correctly demonstrates how to establish an organization-wide policy for GitHub Copilot Business to restrict its use to certain repositories?

- A. Apply policies through the GitHub Actions configuration
- B. Create a copilot.policy file in each repository
- C. Configure the policies in the organization settings
- D. Create a copilot.policy in the .github repository

Answer: C

NEW QUESTION 41

Which of the following statements best describes the impact of GitHub Copilot on the software development process?

- A. It decreases software vulnerabilities from third party dependencies.
- B. It reduces overhead by automating testing workflows.
- C. It increases productivity by automating repetitive coding tasks.
- D. It replaces the need for developers in the software development process.

Answer: C

NEW QUESTION 42

What method can be used to interact with GitHub Copilot?

- A. By using a properly configured GitHub CLI
- B. By using chat capabilities in NeoVim
- C. From a watch window in an IDE debug session
- D. From a web browser at <https://github.copilot.com>

Answer: B

NEW QUESTION 43

Which Copilot Individual features are available when using a supported extension for Visual Studio, VS Code, or JetBrains IDEs? (Each correct answer presents part of the solution. Choose two.)

- A. Code suggestions
- B. Chat
- C. Knowledge Base
- D. Pull Request Diff Analysis

Answer: AB

NEW QUESTION 44

Select a strategy to increase the performance of GitHub Copilot Chat.

- A. Optimize the usage of memory-intensive operations within generated code
- B. Apply prompt engineering techniques to be more specific
- C. Use a single GitHub Copilot Chat query to find resolutions for the collection of technical requirements
- D. Limit the number of concurrent users accessing GitHub Copilot Chat

Answer: B

NEW QUESTION 46

When using GitHub Copilot to identify missing tests in your codebase, which of the following is the most important factor to consider?

- A. Using well-known coding practices in your repository.
- B. Ensuring that the correct context is available to GitHub Copilot.
- C. Close all the tabs in your IDE that do not have tests in them.
- D. Having a high test coverage percentage in the codebase.

Answer: B

NEW QUESTION 48

What GitHub Copilot feature can be configured at the organization level to prevent GitHub Copilot suggesting publicly available code snippets?

- A. GitHub Copilot Chat in the IDE
- B. GitHub Copilot Chat in GitHub Mobile
- C. GitHub Copilot duplication detection filter
- D. GitHub Copilot access to Bing

Answer: C

NEW QUESTION 50

An independent contractor develops applications for a variety of different customers. Assuming no concerns from their customers, which GitHub Copilot plan is best suited?

- A. GitHub Copilot Individual
- B. GitHub Copilot Business
- C. GitHub Copilot Business for non-GHE Customers
- D. GitHub Copilot Enterprise
- E. GitHub Copilot Teams

Answer: A

NEW QUESTION 54

What is the correct way to exclude specific files from being used by GitHub Copilot Business during code suggestions?

- A. Modify the .gitignore file to include the specific files.
- B. Add the specific files to a copilot.ignore file.
- C. Use the GitHub Copilot settings in the user interface to exclude files.
- D. Rename the files to include the suffix _no_copilot.

Answer: C

NEW QUESTION 55

In what ways can GitHub Copilot support a developer during the code refactoring process? (Each correct answer presents part of the solution. Choose two.)

- A. By offering code transformation examples that enhance performance and reduce complexity.
- B. By independently ensuring compliance with regulatory standards across industries.
- C. By providing suggestions for improving code readability and maintainability based on best practices.
- D. By autonomously refactoring entire codebases to the latest programming language.

Answer: AC

NEW QUESTION 59

Identify the right use cases where GitHub Copilot Chat is most effective. (Each correct answer presents part of the solution. Choose two.)

- A. Create a technical requirement specification from the business requirement documentation
- B. Explain a legacy COBOL code and translate the code to another language like Python.
- C. Creation of a unit test scenario for newly developed Python code
- D. Creation of end-to-end performance testing scenarios for a web application

Answer: BC

NEW QUESTION 62

How can GitHub Copilot be limited when it comes to suggesting unit tests?

- A. GitHub Copilot can generate all types of unit tests, including those for edge cases and complex integration scenarios.
- B. GitHub Copilot primarily suggests basic unit tests that focus on core functionalities, often requiring additional input from developers for comprehensive coverage.
- C. GitHub Copilot can handle any complexity in code and automatically generate appropriate unit tests.
- D. GitHub Copilot's limitations in generating unit tests can vary based on the IDE version you are using.

Answer: B

NEW QUESTION 67

What caution should developers exercise when using GitHub Copilot for assistance with mathematical computations?

- A. GitHub Copilot's capability to optimize complex mathematical algorithms beyond manual coding.
- B. GitHub Copilot's ability to execute and verify mathematical results in real-time.
- C. GitHub Copilot's reliance on pattern-based responses without verifying computation accuracy.
- D. GitHub Copilot's automatic update of outdated mathematical formulas to modern standards.

Answer: C

NEW QUESTION 72

What are the potential limitations of GitHub Copilot in maintaining existing codebases?

- A. GitHub Copilot can independently manage and resolve all merge conflicts in version control.
- B. GitHub Copilot might not fully understand the context and dependencies within a large codebase.
- C. GitHub Copilot's suggestions are always aware of the entire codebase.
- D. GitHub Copilot can refactor and optimize the entire codebase up to 10,000 lines of code.

Answer: B

NEW QUESTION 76

What are the potential limitations of GitHub Copilot Chat? (Each correct answer presents part of the solution. Choose two.)

- A. Limited training data
- B. No biases in code suggestions
- C. Ability to handle complex code structures
- D. Extensive support for all programming languages

Answer: AC

NEW QUESTION 81

In what ways can GitHub Copilot contribute to the design phase of the Software Development Life Cycle (SDLC)?

- A. GitHub Copilot can independently create a complete software design.
- B. GitHub Copilot can suggest design patterns and best practices relevant to the project.
- C. GitHub Copilot can manage design team collaboration and version control.
- D. GitHub Copilot can generate user interface (UI) prototypes without prompting.

Answer: B

NEW QUESTION 83

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