



## **Microsoft**

### **Exam Questions GH-300**

GitHub Copilot Exam

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#### NEW QUESTION 1

A social media manager wants to use AI to filter content. How can they promote transparency in the platform's AI operations?

- A. By regularly updating the AI filtering algorithm.
- B. By relying on a well-regarded AI development company.
- C. By focusing on user satisfaction with the content filtering.
- D. By providing clear explanations about the types of content the AI is designed to filter and how it arrives at its conclusion.

**Answer: D**

#### NEW QUESTION 2

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 3

What can be done during AI development to minimize bias?

- A. Improve on the computational efficiency and speed.
- B. Focus on accuracy of the data.
- C. Collect massive amounts of data for training.
- D. Use diverse data, fairness metrics, and human oversight.

**Answer: D**

#### NEW QUESTION 4

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 5

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 6

What types of prompts or code snippets might be flagged by the GitHub Copilot toxicity filter? (Each correct answer presents part of the solution. Choose two.)

- A. Hate speech or discriminatory language (e.g., racial slurs, offensive stereotypes)
- B. Sexually suggestive or explicit content
- C. Code that contains logical errors or produces unexpected results
- D. Code comments containing strong opinions or criticisms

**Answer: AB**

#### NEW QUESTION 7

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 8

What role does the pre-processing of user input play in the data flow of GitHub Copilot Chat?

- A. It filters out irrelevant information from the user's input prompt.
- B. It enriches the input prompt with additional context before passing it to the language model.
- C. It directly generates a response based on the user's input prompt.
- D. It formats the output response before presenting it to the user.

**Answer:** B

#### NEW QUESTION 9

What is the correct way to access the audit log events for GitHub Copilot Business?

- A. Navigate to the Security tab in the organization's GitHub settings
- B. Navigate to the Insights tab in the repository settings
- C. Use the Audit log section in the organization's GitHub settings
- D. Use the Code tab in the GitHub repository

**Answer:** C

#### NEW QUESTION 10

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 10

In what way can GitHub Copilot and GitHub Copilot Chat aid developers in modernizing applications?

- A. GitHub Copilot can directly convert legacy applications into cloud-native architectures.
- B. GitHub Copilot can suggest modern programming patterns based on your code.
- C. GitHub Copilot can create and deploy full-stack applications based on a single query.
- D. GitHub Copilot can refactor applications to align with upcoming standards.

**Answer:** B

#### NEW QUESTION 11

How can you get multiple suggestions from GitHub Copilot?

- A. By asking for multiple suggestions using comments in your code
- B. By opening the completions panel in your editor
- C. By using the inline chat functionality with the command 'multiple'
- D. By using @workspace in the chat window

**Answer:** B

#### NEW QUESTION 12

Which of the following GitHub Copilot Business related activities can be tracked using the organization audit logs?

- A. Accepted chat suggestions
- B. Code suggestions made by GitHub Copilot
- C. Changes to content exclusion settings
- D. Suggestions blocked by duplication detection filtering

**Answer:** C

#### NEW QUESTION 15

Which REST API endpoint is used to modify details about a GitHub Copilot Business subscription? (Each correct answer presents part of the solution. Choose two.)

- A. Add teams to the Copilot subscription for an organization
- B. Upgrade or downgrade the subscription tier
- C. Migrate Copilot seat assignments between GitHub organizations
- D. Reassign Copilot seats based on GitHub repository size
- E. Remove teams from the Copilot subscription for an organization

**Answer:** AE

#### NEW QUESTION 20

How does GitHub Copilot Chat ensure that a function works correctly?

- A. By suggesting assertions based on the code's context and semantics.
- B. By automatically writing all the tests for the function.

- C. By writing the implementation code for the function.
- D. By executing the test cases to validate the correctness of the code.

**Answer:** A

#### NEW QUESTION 24

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 27

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 28

What is a limitation of content exclusions?

- A. Repository administrators and organization owners cannot manage content exclusion settings.
- B. Content exclusions can be worked around as it is only available for Git repositories.
- C. Content exclusions can only be configured by an enterprise administrator.
- D. Content exclusions are only available in the GitHub Copilot Individual plan.

**Answer:** C

#### NEW QUESTION 31

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 32

When crafting prompts for GitHub Copilot, what is a recommended strategy to enhance the relevance of the generated code?

- A. Keep the prompt as short as possible, using single words or brief phrases.
- B. Write the prompt in natural language without any programming language.
- C. Avoid mentioning the programming language to allow for more flexible suggestions.
- D. Provide examples of expected input and output within the prompt.

**Answer:** D

#### NEW QUESTION 34

What are two techniques that can be used to improve prompts to GitHub Copilot? (Select two.)

- A. Provide specific success criteria
- B. Provide all information about the utilized files
- C. Provide insight on where to get the content from to get a response
- D. Provide links to supporting documentation

**Answer:** AD

#### NEW QUESTION 36

Which of the following is a risk associated with using AI?

- A. AI algorithms are incapable of perpetuating existing biases.
- B. AI systems can sometimes make decisions that are difficult to interpret.
- C. AI eliminates the need for data privacy regulations.
- D. AI replaces the need for developer opportunities in most fields.

**Answer:** B

#### NEW QUESTION 39

What practices enhance the quality of suggestions provided by GitHub Copilot? (Select three.)

- A. Clearly defining the problem or task
- B. Including personal information in the code comments
- C. Using meaningful variable names
- D. Providing examples of desired output
- E. Use a .gitignore file to exclude irrelevant files

**Answer:** ACD

#### NEW QUESTION 42

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 45

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 50

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 54

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 56

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