

# 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

What is the primary purpose of organization audit logs in GitHub Copilot Business?

- A. To track the number of lines of code suggested by Copilot
- B. To assign software licenses within the organization
- C. To monitor code conflicts across repositories
- D. To monitor administrator activities and actions within the organization

**Answer: D**

#### NEW QUESTION 3

What is used by GitHub Copilot in the IDE to determine the prompt context?

- A. Information from the IDE like open tabs, cursor location, selected code.
- B. All the code in the current repository and any git submodules.
- C. The open tabs in the IDE and the current folder of the terminal.
- D. All the code visible in the current IDE.

**Answer: A**

#### NEW QUESTION 4

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 5

How can users provide feedback about GitHub Copilot Chat using their IDE?

- A. By filling out a feedback form on the GitHub website
- B. By emailing the support team directly
- C. By posting on the GitHub forums
- D. Through the "Share Feedback" button in the Copilot Chat panel

**Answer: D**

#### NEW QUESTION 6

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 7

Which scenarios can GitHub Copilot Chat be used to increase productivity? (Each correct answer presents part of the solution. Choose two.)

- A. A project plan for the team needs to be generated using a project management software.
- B. Create a documentation file for the newly created code base.
- C. A developer is added to a new project and would like to understand the current software code.
- D. Fast tracking of release management activities to move code to production main branch.

**Answer: BC**

#### NEW QUESTION 8

Which Microsoft ethical AI principle is aimed at ensuring AI systems treat all people equally?

- A. Inclusiveness
- B. Fairness
- C. Reliability and Safety
- D. Privacy and Security

**Answer: B**

#### NEW QUESTION 9

What is the impact of the "Fill-In-the-Middle" (FIM) technique on GitHub Copilot's code suggestions?

- A. Restricts Copilot to use only external databases for generating code suggestions.
- B. Allows Copilot to generate suggestions based only on the prefix of the code.
- C. Ignores both the prefix and suffix of the code, focusing only on user comments for context.
- D. Improves suggestions by considering both the prefix and suffix of the code, filling in the middle part more accurately.

**Answer: D**

#### NEW QUESTION 10

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 10

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

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

**Answer: C**

#### NEW QUESTION 14

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 15

How does the /tests slash command assist developers?

- A. Constructs detailed test documentation.
- B. Creates unit tests for the selected code.
- C. Integrates with external testing frameworks.
- D. Executes test cases to find issues with the code.

**Answer: B**

#### NEW QUESTION 17

What do you check when GitHub Copilot content exclusions are not working? (Each correct answer presents part of the solution. Choose two.)

- A. If GitHub Copilot can connect to the server selected in your user settings.
- B. If the user is part of the content exclusion team that limits the use of content exclusions.
- C. If the content exclusion settings changed in the last 30 minutes or before that.
- D. If the user is in an organization that has content exclusions configured.

**Answer: CD**

#### NEW QUESTION 19

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 23

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 28

What is few-shot prompting?

- A. Telling GitHub Copilot about the mechanism you want it to use and how to incorporate that into the response
- B. Telling GitHub Copilot from which sources it should base the response on
- C. Telling GitHub Copilot to try multiple times to answer the prompt
- D. Telling GitHub Copilot to iterate several times on the answer before returning it to you

Answer: A

#### NEW QUESTION 33

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 38

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 39

Which of the following are true about code suggestions? (Each correct answer presents part of the solution. Choose two.)

- A. Code suggestions are guaranteed to not expose known security vulnerabilities
- B. You can use keyboard shortcuts to accept the next word in a suggestion
- C. Code suggestions are limited to single-line suggestions
- D. Code suggestions will always compile or run without modifications
- E. Alternative code suggestions can be shown in a new tab

Answer: BE

#### NEW QUESTION 40

What kind of insights can the GitHub Copilot usage metrics API provide to help evaluate the effectiveness of GitHub Copilot? (Each correct answer presents part of the solution. Choose two.)

- A. The API can generate detailed reports on code quality improvements made by GitHub Copilot.
- B. The API can track the number of code suggestions accepted and used in the organization.
- C. The API can provide Copilot Chat specific suggestions acceptance metrics.
- D. The API can refactor your code to improve productivity.
- E. The API can provide feedback on coding style and standards compliance.

Answer: BC

#### NEW QUESTION 41

What is the main purpose of the duplication detection filter in GitHub Copilot?

- A. To compare user-generated code against a private repository for potential matches.
- B. To allow administrators to control which suggestions are visible to developers based on custom criteria.
- C. To encourage the user to follow coding best practices preventing code duplication.
- D. To detect and block suggestions that match public code snippets on GitHub if they contain about 150 characters.

**Answer:** D

**NEW QUESTION 43**

Which GitHub Copilot plan could an Azure DevOps organization use without requiring a GitHub Enterprise license?

- A. GitHub Copilot Individual
- B. GitHub Copilot Enterprise
- C. GitHub Copilot for Azure DevOps
- D. Copilot Teams

**Answer:** C

**NEW QUESTION 45**

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 50**

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 51**

How does GitHub Copilot assist developers in minimizing context switching?

- A. GitHub Copilot can automatically handle project management tasks.
- B. GitHub Copilot can completely replace the need for human collaboration.
- C. GitHub Copilot can predict and prevent bugs before they occur.
- D. GitHub Copilot allows developers to stay in their IDE.

**Answer:** D

**NEW QUESTION 56**

Are there any limitations to consider when using GitHub Copilot for code refactoring?

- A. GitHub Copilot may not always produce optimized or best-practice code for refactoring.
- B. GitHub Copilot can only be used with a limited set of programming languages.
- C. GitHub Copilot always produces bug-free code during refactoring.
- D. GitHub Copilot understands the context of your entire project and refactors code accordingly.

**Answer:** A

**NEW QUESTION 61**

What is a key consideration when relying on GitHub Copilot Chat's explanations of code functionality and proposed improvements?

- A. The explanations are dynamically updated based on user feedback.
- B. Reviewing and validating the generated output for accuracy and completeness.
- C. GitHub Copilot Chat uses a static database for generating explanations.
- D. The explanations are primarily derived from user-provided documentation.

**Answer:** B

**NEW QUESTION 64**

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 65**

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 66**

When can GitHub Copilot still use content that was excluded using content exclusion?

- A. When the user prompts with @workspace.
- B. When the repository-level settings allow overrides by the user.
- C. If the contents of an excluded file are referenced in code that is not excluded, for example function calls.
- D. If the content exclusion was configured at the enterprise level, and is overwritten at the organization level.

**Answer: C**

**NEW QUESTION 69**

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