



## Microsoft

### Exam Questions GH-300

GitHub Copilot Exam

#### NEW QUESTION 1

How long does it take content exclusion to add or be updated?

- A. Up to 30 minutes
- B. 45 - 60 minutes
- C. 60 - 90 minutes
- D. 24 hours

**Answer:** A

#### 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

Which of the following is correct about GitHub Copilot Knowledge Bases?

- A. All repos are indexed
- B. Indexing is static
- C. It is an Enterprise feature
- D. All file types are indexed

**Answer:** C

#### NEW QUESTION 4

What is zero-shot prompting?

- A. Only giving GitHub Copilot a question as a prompt and no examples
- B. Giving GitHub Copilot examples of the problem you want to solve
- C. Telling GitHub Copilot it needs to show only the correct answer
- D. Giving GitHub Copilot examples of the algorithm and outcome you want to use
- E. Giving as little context to GitHub Copilot as possible

**Answer:** A

#### NEW QUESTION 5

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 6

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 7

How does GitHub Copilot suggest code optimizations for improved performance?

- A. By analyzing the codebase and suggesting more efficient algorithms or data structures.
- B. By automatically rewriting the codebase to use more efficient code.
- C. By enforcing strict coding standards that ensure optimal performance.
- D. By providing detailed reports on the performance of the codebase.

**Answer:** A

#### NEW QUESTION 8

Which of the following scenarios best describes the intended use of GitHub Copilot Chat as a tool?

- A. A complete replacement for developers generating code.
- B. A productivity tool that provides suggestions, but relying on human judgment.
- C. A solution for software development, requiring no additional input or oversight.
- D. A tool solely designed for debugging and error correction.

**Answer:** B

#### NEW QUESTION 9

How does GitHub Copilot assist developers in reducing the amount of manual boilerplate code they write?

- A. By engaging in real-time collaboration with multiple developers to write boilerplate code.
- B. By predicting future coding requirements and pre-emptively generating boilerplate code.
- C. By refactoring the entire codebase to eliminate boilerplate code without developer input.
- D. By suggesting code snippets that can be reused across different parts of the project.

**Answer:** D

#### NEW QUESTION 10

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 10

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 14

What are the effects of content exclusions? (Each correct answer presents part of the solution. Choose two.)

- A. The excluded content is not directly available to GitHub Copilot to use as context.
- B. GitHub Copilot suggestions are no longer available in the excluded files.
- C. The excluded content is no longer used while debugging the code.
- D. The IDE will not count coding suggestions in the excluded content.

**Answer:** AB

#### NEW QUESTION 16

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 20

What is one of the recommended practices when using GitHub Copilot Chat to enhance code quality?

- A. Avoid using Copilot for complex tasks.
- B. Disable Copilot's inline suggestions.
- C. Regularly review and refactor the code suggested by Copilot.
- D. Rely solely on Copilot's suggestions without reviewing them.

**Answer:** C

#### NEW QUESTION 21

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 24**

How does GitHub Copilot Chat help to fix security issues in your codebase?

- A. By enforcing strict coding standards that prevent the introduction of vulnerabilities.
- B. By providing detailed reports on the security vulnerabilities present in the codebase.
- C. By annotating the given suggestions with known vulnerability patterns.
- D. By automatically refactoring the entire codebase to remove vulnerabilities.

**Answer:** C

**NEW QUESTION 28**

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 33**

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 35**

Why is code reviewing still necessary when using GitHub Copilot to write tests?

- A. Because GitHub Copilot can cover all possible scenarios in your test cases.
- B. Because GitHub Copilot generates the best code possible for the test scenario.
- C. Because GitHub Copilot's generated test cases may not cover all possible scenarios.
- D. Because GitHub Copilot replaces the need for manual testing.

**Answer:** C

**NEW QUESTION 37**

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

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

**Answer:** A

**NEW QUESTION 40**

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 42**

What is the primary role of the /optimize slash command in Visual Studio?

- A. Translates code into a more performant language.
- B. Enhances the performance of the selected code by analyzing its runtime complexity.
- C. Automatically formats the code according to the selected style guide.
- D. Summarizes your documentation into more maintainable and readable formats.

**Answer:** B

**NEW QUESTION 45**

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 47

Where is the proxy service hosted?

- A. Self hosted
- B. Amazon Web Service
- C. Microsoft Azure
- D. Google Cloud Platform

**Answer: C**

#### NEW QUESTION 48

Which of the following does GitHub Copilot's LLM derive context from when producing a response?

- A. Frequency of commits to the repository
- B. Syntax highlighting scheme of the code in the IDE
- C. Neighboring or related files within a project
- D. Version control system integrated with the IDE

**Answer: C**

#### NEW QUESTION 51

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 53

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 56

What types of content can GitHub Copilot Knowledge Base answer questions about? (Each correct answer presents part of the solution. Choose three.)

- A. Code snippets
- B. Compiled binaries
- C. Documentation
- D. Design patterns
- E. Screenshots

**Answer: ACD**

#### NEW QUESTION 57

What configuration needs to be set to get help from Microsoft and GitHub protecting against IP infringement while using GitHub Copilot?

- A. Suggestions matching public code to 'blocked'
- B. Enforce blocking of MIT or GPL licensed code
- C. You need to check code suggestions yourself before accepting
- D. Enable GitHub Copilot license checking

**Answer: A**

#### NEW QUESTION 61

What should developers consider when relying on GitHub Copilot for generating code that involves statistical analysis?

- A. GitHub Copilot can independently verify the statistical significance of results.

- B. GitHub Copilot's suggestions are based on statistical trends and may not always apply accurately to specific datasets.
- C. GitHub Copilot will automatically correct any statistical errors found in the user's initial code.
- D. GitHub Copilot can design new statistical methods that have not been previously documented.

**Answer:** B

#### NEW QUESTION 63

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 66

Why is it important to ensure the security of the code used in Generative AI (Gen AI) tools?

- A. Ensuring code security prevents unauthorized access and potential data breaches.
- B. Ensuring code security supports the development of more advanced AI features.
- C. Ensuring code security enables the AI system to handle larger datasets effectively.
- D. Ensuring code security maintains the integrity of the AI system.

**Answer:** A

#### NEW QUESTION 68

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 69

What content can be configured to be excluded with content exclusions? (Each correct answer presents part of the solution. Choose three.)

- A. Files
- B. Folders
- C. Lines in files
- D. Gists
- E. Repositories

**Answer:** ABE

#### NEW QUESTION 70

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 75

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 77

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 80**

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 82**

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 87**

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 91**

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