

# 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

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 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

What is the best way to share feedback about GitHub Copilot Chat when using it on GitHub Mobile?

- A. Use the emojis in the Copilot Chat interface.
- B. The feedback section on the GitHub website.
- C. By tweeting at GitHub's official X (Twitter) account.
- D. The Settings menu in the GitHub Mobile app.

**Answer: A**

#### 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 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 7

Which GitHub Copilot pricing plans include features that exclude your GitHub Copilot data like usage, prompts, and suggestions from default training GitHub Copilot? (Choose two correct answers.)

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

**Answer: AD**

#### 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

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 10

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 12

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 14

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 16

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 20

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 24**

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 27**

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 30**

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 32**

A company is currently storing code in Bitbucket and would like to use GitHub Copilot. Which GitHub Copilot plan will be most cost effective to allow them to manage users with their Identity Provider (e.g. Okta)?

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

**Answer:** C

**NEW QUESTION 37**

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 41**

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 45**

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 50

Where is the proxy service hosted?

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

**Answer: C**

#### NEW QUESTION 51

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 52

How does GitHub Copilot identify matching code and ensure that public code is appropriately handled or blocked? (Each correct answer presents part of the solution. Choose two.)

- A. Using machine learning models trained only on private repositories
- B. Reviewing and storing user-specific private repository data for future suggestions
- C. Filtering out suggestions that match code from public repositories
- D. Implementing safeguards to detect and avoid suggesting verbatim snippets from public code

**Answer: CD**

#### NEW QUESTION 56

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 61

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 63

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 68

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 73

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 76

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 79

Which of the following describes role prompting?

- A. Describing in your prompt what your role is to get a better suggestion
- B. Tell GitHub Copilot in what tone of voice it should respond
- C. Prompt GitHub Copilot to explain what was the role of a suggestion
- D. Giving GitHub Copilot multiple examples of the form of the data you want to use

**Answer:** A

### NEW QUESTION 82

Which of the following statements correctly describes how GitHub Copilot Individual uses prompt data? (Each correct answer presents part of the solution. Choose two.)

- A. Prompt data is stored unencrypted for faster processing.
- B. Prompt data is used internally by GitHub for improving the search engine.
- C. Prompt data is used to train machine learning models for better code suggestions.
- D. Real-time user input helps generate context-aware code suggestions.

**Answer:** CD

### NEW QUESTION 87

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 91

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 92

How can GitHub Copilot aid developers in writing documentation for their code?

- A. GitHub Copilot cannot assist in writing documentation or comments.
- B. GitHub Copilot can automatically generate complete and detailed documentation.
- C. GitHub Copilot can suggest summaries or descriptions based on the code's functionality.
- D. GitHub Copilot can only generate content in markdown format.

**Answer:** C

### NEW QUESTION 94

When using GitHub Copilot Chat to generate unit tests, which slash command would you use?

- A. /init-tests
- B. /create-tests
- C. /generate-tests
- D. /tests

**Answer:** D

#### **NEW QUESTION 95**

How can you use GitHub Copilot to get inline suggestions for refactoring your code? (Select two.)

- A. By adding comments to your code and triggering a suggestion.
- B. By highlighting the code you want to fix, right-clicking, and selecting "Fix using GitHub Copilot."
- C. By running the gh copilot fix command.
- D. By using the "/fix" command in GitHub Copilot in-line chat.
- E. By highlighting the code you want to fix, right-clicking, and selecting "Refactor using GitHub Copilot."

**Answer:** AE

#### **NEW QUESTION 96**

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 97**

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 99**

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 101**

What GitHub Copilot pricing plan gives you access to your company's knowledge bases?

- A. GitHub Copilot Individual
- B. GitHub Copilot Business
- C. GitHub Copilot Enterprise
- D. GitHub Copilot Professional

**Answer:** C

#### **NEW QUESTION 102**

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 106**

How does GitHub Copilot Chat help in understanding the existing codebase?

- A. By running code linters and formatters.
- B. By providing visual diagrams of the code structure.

- C. By answering questions about the code and generating explanations.
- D. By automatically refactoring code to improve readability.

**Answer: C**

#### **NEW QUESTION 110**

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 111**

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 115**

How can you improve the context used by GitHub Copilot? (Each correct answer presents part of the solution. Choose two.)

- A. By opening the relevant tabs in your IDE
- B. By adding relevant code snippets to your prompt
- C. By adding the important files to your .gitconfig
- D. By adding the full file paths to your prompt of important files

**Answer: AB**

#### **NEW QUESTION 120**

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