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
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 5
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 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 typically handle code suggestions that involve deprecated features or syntax of programming languages?

A. GitHub Copilot automatically updates deprecated features in its suggestions to the latest version.
B. GitHub Copilot may suggest deprecated syntax or features if they are present in its training data.
C. GitHub Copilot always filters out deprecated elements to promote the use of current standards.
D. GitHub Copilot rejects all prompts involving deprecated features to avoid compilation errors.

Answer: B

NEW QUESTION 8
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 9
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 10
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 10
What is a likely effect of GitHub Copilot being trained on commonly used code patterns?

A. Suggest innovative coding solutions that are not yet popular.
B. Suggest completely novel projects, while reducing time on a project.
C. Suggest code snippets that reflect the most common practices in the training data.
D. Suggest homogeneous solutions if provided a diverse data set.

Answer: C

NEW QUESTION 11
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 14
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 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 20
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 21
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 24
How can GitHub Copilot assist with code refactoring tasks?

A. GitHub Copilot can fix syntax errors without user input.
B. GitHub Copilot can automatically rewrite code to follow best practices.
C. GitHub Copilot can suggest refactoring improvements for better code quality.
D. GitHub Copilot can remove unnecessary files from the project directory.

Answer: C

NEW QUESTION 28
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 31
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 32
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 33
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 35
Which of the following prompts can be used to guide GitHub Copilot Chat in refactoring code for quality improvements? (Each correct answer presents part of the solution. Choose two.)

A. "Show me how to improve the readability of this function."
B. "Suggest ways to enhance the maintainability of this code segment."
C. "Refactor my application to meet the latest coding standards."
D. "Predict future coding trends and update my codebase accordingly."

Answer: AB

NEW QUESTION 36
Where is the proxy service hosted?

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

Answer: C

NEW QUESTION 37
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 38
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 39
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 40
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 43
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 47
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 49
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 50
What specific function does the /fix slash command perform?

A. Initiates a code review with static analysis tools for security and logic errors.
B. Converts pseudocode into executable code, optimizing for readability and maintainability.
C. Generates new code snippets based on language syntax and best practices.
D. Proposes changes for detected issues, suggesting corrections for syntax errors and programming mistakes.

Answer: D

NEW QUESTION 54
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 57
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 62
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 64
What type of information can you retrieve through GitHub Copilot Business Subscriptions via REST API? (Each correct answer presents part of the solution. Choose two.)

A. Get a summary of GitHub Copilot usage for organization members
B. List all GitHub Copilot seat assignments for an organization
C. View code suggestions for a specific user
D. List of all unsubscribed GitHub Copilot members within an organization

Answer: AB

NEW QUESTION 65
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 69

What role does chat history play in GitHub Copilot's code suggestions?

A. Chat history is used to train the GitHub Copilot model in real-time.
B. Chat history provides context to GitHub Copilot, improving the relevance and accuracy of its code suggestions.
C. Chat history is stored and shared with other users to enhance collaboration.
D. Chat history is irrelevant to GitHub Copilot and does not affect its functionality.

Answer: B

NEW QUESTION 70
What is a benefit of using custom models in GitHub Copilot?

A. Responses are faster to produce and appear sooner
B. Responses use practices and patterns in your repositories
C. Responses use the organization's LLM engine
D. Responses are guaranteed to be correct

Answer: B

NEW QUESTION 75
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 80
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 85
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 88
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 92
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 93
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 97
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 101
What are the different ways to give context to GitHub Copilot to get more precise responses? (Each correct answer presents part of the solution. Choose two.)

A. Utilize to interpret developer's thoughts and intentions without any code or comments.
B. Engage with chat participants such as @workspace to incorporate collaborative context into the responses.
C. Access developer's previous projects and code repositories to understand their coding style without explicit permission.
D. Utilize chat variables like *file to anchor the conversation within the specific context of the files or editors in use.

Answer: BD

NEW QUESTION 102
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 104
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 106
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 109
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