

Microsoft

Exam Questions GH-300

GitHub Copilot Exam



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

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 3

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 4

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 5

GitHub Copilot in the Command Line Interface (CLI) can be used to configure the following settings: (Each correct answer presents part of the solution. Choose two.)

- A. The default execution confirmation
- B. Usage analytics
- C. The default editor
- D. GitHub CLI subcommands

Answer: AB

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

Why might a Generative AI (Gen AI) tool create inaccurate outputs?

- A. The Gen AI tool is overloaded with too many requests at once.
- B. The Gen AI tool is experiencing downtime and is not fully recovered.
- C. The Gen AI tool is programmed with a focus on creativity over factual accuracy.
- D. The training data might contain biases or inconsistencies.

Answer: D

NEW QUESTION 8

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 9

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

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

Answer: BE

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 12

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 16

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 19

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 22

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 27

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

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

Answer: C

NEW QUESTION 31

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 33

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 36

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 41

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 46

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 47

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 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 54

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 56

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 61

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 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 67

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 68

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 69

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 74

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 76

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 79

What are the additional checks that need to pass before the GitHub Copilot responses are submitted to the user? (Each correct answer presents part of the solution. Choose two.)

- A. Code quality
- B. Compatibility with user-specific settings
- C. Suggestions matching public code (optional based on settings)
- D. Performance benchmarking

Answer: AC

NEW QUESTION 81

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 83

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 88

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 89

What is the correct way to exclude specific files from being used by GitHub Copilot Business during code suggestions?

- A. Modify the .gitignore file to include the specific files.
- B. Add the specific files to a copilot.ignore file.
- C. Use the GitHub Copilot settings in the user interface to exclude files.
- D. Rename the files to include the suffix _no_copilot.

Answer: C

NEW QUESTION 93

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 97

What is the process behind identifying public code matches when using a public code filter enabled in GitHub Copilot?

- A. Running code suggestions through filters designed to detect public code
- B. Comparing suggestions against public code using machine learning.
- C. Analyzing the context and structure of the code being written
- D. Reviewing the user's browsing history to identify public repositories

Answer: A

NEW QUESTION 99

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 101

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 105

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 107

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 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 116

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 121

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