Vendor: Microsoft

Exam Code: GH-300

Exam Name: GitHub Copilot

Version: DEMO

QUESTION 1
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
Explanation:
GitHub Copilot can generate sample data by creating fictitious information based on patterns in its training data and by using suggestions based on API documentation within the repository.

QUESTION 2
What are the potential risks associated with relying heavily on code generated from GitHub Copilot? (Each correct answer presents part of the solution. Choose two.)

A. GitHub Copilot may introduce security vulnerabilities by suggesting code with known exploits.
B. GitHub Copilot may decrease developer velocity by requiring too much time in prompt engineering.
C. GitHub Copilot's suggestions may not always reflect best practices or the latest coding standards.
D. GitHub Copilot may increase development lead time by providing irrelevant suggestions.

Answer: AC
Explanation:
Heavy reliance on GitHub Copilot can introduce security vulnerabilities if the generated code contains known exploits. Additionally, Copilot's suggestions may not always align with best practices or the latest standards, requiring careful review and validation.

QUESTION 3
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
Explanation:
Audit log events for GitHub Copilot Business can be accessed through the Audit log section within the organization's GitHub settings. This log provides a record of activities related to Copilot usage and configuration.

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
Explanation:
GitHub Copilot Chat combines its training data, code from user repositories, and external sources like Bing to generate comprehensive and relevant responses to coding questions.

QUESTION 5
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
Explanation:
GitHub Copilot Chat helps in understanding existing codebases by answering questions about the code and generating explanations. This allows developers to quickly grasp the functionality and structure of unfamiliar code.

QUESTION 6
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
Explanation:
GitHub Copilot in the CLI allows configuration of settings such as the default execution confirmation and usage analytics. These settings help tailor the CLI experience to the user's preferences.

QUESTION 7
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
Explanation:
The /tests slash command in GitHub Copilot Chat creates unit tests for the selected code, helping developers ensure the functionality and reliability of their code.

QUESTION 8
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
Explanation:
GitHub Copilot Enterprise provides access to your company's knowledge bases, enabling the tool to provide contextually relevant suggestions based on your organization's specific documentation and code.

QUESTION 9
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
Explanation:
GitHub Copilot Knowledge Bases is an Enterprise feature that allows the tool to use an organization's internal documentation and code for more accurate and relevant suggestions.

QUESTION 10
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
Explanation:
GitHub Copilot Chat is effective for explaining and translating legacy code and generating unit test scenarios for new code.

QUESTION 11
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
Explanation:
Organization audit logs track changes to content exclusion settings, providing administrators with visibility into configuration changes.

QUESTION 12
What content can be configured to be excluded with content exclusions? (Each correct answer presents part of the solution. Choose three.)

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

Answer: BCD
Explanation:
Content exclusions allow you to exclude files, folders, and repositories from being used by GitHub Copilot.

QUESTION 13
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
Explanation:
GitHub Copilot can still use excluded content if it is referenced in code that is not excluded, such as function calls.

QUESTION 14
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
Explanation:
A risk associated with AI is that its decisions can be difficult to interpret, leading to a lack of transparency and potential misunderstandings.

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