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GitHub-Copilot Questions



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GitHub GitHub-Copilot Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none"> Privacy Fundamentals and Context Exclusions: This section of the exam measures skills of Cybersecurity Specialists and Compliance Officers and covers privacy safeguards and content exclusion settings in GitHub Copilot. It explains how Copilot can identify security vulnerabilities, suggest optimizations, and enforce secure coding practices. It also includes details on content ownership, data filtering mechanisms, and exclusion configurations. The section concludes with troubleshooting guidelines for managing context exclusions and ensuring compliance with organizational security policies.
Topic 2	<ul style="list-style-type: none"> How GitHub Copilot Works and Handles Data: This section of the exam measures the skills of Data Security Specialists and DevOps Engineers and covers how GitHub Copilot processes data, handles code suggestions and manages privacy concerns. It explains the data pipeline for Copilot's suggestions, how it gathers context, and how prompts are processed through its AI model. The section also discusses the limitations of AI-generated code, the effects of historical data on suggestions, and the role of prompt crafting. Best practices for improving prompt effectiveness and optimizing AI-generated responses are included.
Topic 3	<ul style="list-style-type: none"> Prompt Engineering: This section of the exam measures skills of AI Engineers and Software Developers and covers the fundamentals of prompt engineering, including key principles, techniques, and best practices for generating high-quality outputs. It explains different prompting strategies such as zero-shot and few-shot prompting, how context influences AI-generated responses, and the role of structured prompts in guiding Copilot's behavior. It also discusses the prompt lifecycle and ways to enhance model performance through refined input instructions.
Topic 4	<ul style="list-style-type: none"> Testing with GitHub Copilot: This section of the exam measures skills of QA Engineers and Test Automation Specialists and covers AI-assisted testing methodologies, including the generation of unit tests, integration tests, and edge case detection. It explains how GitHub Copilot improves test effectiveness by suggesting relevant assertions and boilerplate test cases. The section also discusses privacy considerations, organizational code suggestion settings, and best practices for configuring GitHub Copilot's testing features.

GitHub Copilot Certification Exam Sample Questions (Q29-Q34):

NEW QUESTION # 29

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

Answer: B,C

Explanation:

Effective prompts for refactoring include requests that focus on specific quality improvements, such as readability and maintainability. These prompts guide GitHub Copilot to provide relevant and actionable suggestions.

NEW QUESTION # 30

What is a limitation of content exclusions?

- A. Content exclusions can be worked around as it is only available for Git repositories.
- B. Content exclusions can only be configured by an enterprise administrator.
- C. Content exclusions are only available in the GitHub Copilot Individual plan.
- D. Repository administrators and organization owners cannot manage content exclusion settings.

Answer: A

Explanation:

A limitation is that content exclusions are only available for Git repositories, meaning they can be worked around if content is accessed through other means.

NEW QUESTION # 31

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

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

Answer: C

Explanation:

Chat history provides valuable context to GitHub Copilot, helping it generate more relevant and accurate code suggestions based on previous interactions and conversations.

NEW QUESTION # 32

What are the potential limitations of GitHub Copilot Chat? (Each correct answer presents part of the solution. Choose two.)

- A. Extensive support for all programming languages
- B. Ability to handle complex code structures
- C. No biases in code suggestions
- D. Limited training data

Answer: A,D

Explanation:

GitHub Copilot Chat has limitations such as limited training data, which can affect the accuracy of its suggestions, and it does not provide extensive support for all programming languages.

NEW QUESTION # 33

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 can provide contextualized code suggestions and answer sources from an organization's documentation.
- B. GitHub Copilot's /understand command will help GitHub Copilot to understand code written in a targeted programming language.
- C. GitHub Copilot Chat can provide guidance and support for common coding tasks and challenges in the targeted programming language.
- D. GitHub Copilot can convert comments into code to grasp the syntax and nuances of a new programming language.

Answer: C,D

Explanation:

GitHub Copilot helps with learning new languages by providing guidance on common tasks and by converting comments into code, allowing developers to see syntax in action.

NEW QUESTION # 34

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