

GH-300 Reliable Test Experience - GH-300 New Exam Bootcamp



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PassExamDumps trained experts have made sure to help the potential applicants of GitHub Copilot certification to pass their GitHub Copilot exam on the first try. Our PDF format carries real Microsoft GH-300 Exam Dumps. You can use this format of Microsoft GH-300 actual questions on your smart devices.

Microsoft GH-300 Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none">How GitHub Copilot Works and Handles Data: Designed for Machine Learning Engineers and Data Privacy Specialists, this section covers the data lifecycle and processing behind Copilot's code suggestions. It explains how context is gathered, prompts constructed, responses generated, and post-processed through proxy services. Candidates understand Copilot's data policies, handling of inputs, and limitations such as context window size and data age influencing suggestion relevance.
Topic 2	<ul style="list-style-type: none">Domain 4: Prompt Crafting and Prompt Engineering This section measures skills of Software Developers and AI Interaction Designers in effectively crafting prompts to optimize Copilot's output. It reviews foundational concepts such as prompt components, the role of language in prompting, zero-shot vs. few-shot prompting, and how chat history influences responses. Best practices and engineering principles for prompt design and training methods are also covered.
Topic 3	<ul style="list-style-type: none">Responsible :This section of the exam measures skills of AI Ethics Officers and Risk Managers and covers the responsible and ethical usage of AI technologies. It explains the risks and limitations associated with generative AI tools, including biases in training data and the need to validate AI outputs. Candidates learn how to operate AI responsibly by identifying potential harms such as bias, fairness, privacy concerns, and mitigating these harms by applying ethical AI principles.
Topic 4	<ul style="list-style-type: none">Privacy Fundamentals and Context Exclusions: This domain focuses on Security Engineers and Compliance Officers and addresses improving code quality with Copilot's test suggestions and security optimizations. It covers identification of security vulnerabilities, performance enhancements, and privacy features like content exclusions at repository and organization levels with explanation of their limitations. Candidates learn about safeguarding mechanisms such as duplication detection, contractual protections, security checks, and troubleshooting guide for common Copilot issues including context exclusions and suggestion gaps.

Topic 5	<ul style="list-style-type: none"> • Domain 6: Testing with GitHub Copilot: This section measures abilities of QA Engineers and Test Automation Specialists to use Copilot for test generation, including unit and integration tests. It explains how Copilot can identify edge cases and assist in writing assertions. The domain also covers different Copilot subscription SKUs, privacy considerations, organizational code suggestion settings, and configuration files related to Copilot.
Topic 6	<ul style="list-style-type: none"> • Developer Use Cases for AI: Targeting Software Engineers and Technical Leads, this domain elaborates on how AI improves developer productivity across common tasks like learning new languages, translation, documentation, debugging, data science, and refactoring. It discusses Copilot's support in software development lifecycle management and highlights its limitations. Use of the productivity API to track Copilot's impact is also included.

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Microsoft GitHub Copilot Sample Questions (Q103-Q108):

NEW QUESTION # 103

What caution should developers exercise when using GitHub Copilot for assistance with mathematical computations?

- A. GitHub Copilot's reliance on pattern-based responses without verifying computation accuracy.
- B. GitHub Copilot's ability to execute and verify mathematical results in real-time.
- C. GitHub Copilot's capability to optimize complex mathematical algorithms beyond manual coding.
- D. GitHub Copilot's automatic update of outdated mathematical formulas to modern standards.

Answer: A

Explanation:

"Copilot's responses are generated based on patterns in training data and are not guaranteed to be mathematically accurate. Developers must verify calculations independently." This shows that Copilot cannot guarantee correctness in math and relies on patterns, making option C correct.

References: GitHub Copilot responsible use documentation.

NEW QUESTION # 104

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

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

Answer: C,E

Explanation:

You can use GitHub Copilot for inline refactoring suggestions by adding comments to your code to trigger suggestions and by highlighting the code and selecting "Refactor using GitHub Copilot" from the context menu.

Reference: GitHub Copilot refactoring documentation.

NEW QUESTION # 105

How long does GitHub retain Copilot data for Business and Enterprise? (Each correct answer presents part of the solution. Choose two.)

- A. Prompts and Suggestions: Retained for 28 days
- B. Prompts and Suggestions: Not retained
- C. User Engagement Data: Kept for Two Years
- D. User Engagement Data: Kept for One Year

Answer: A,C

Explanation:

For GitHub Copilot Business and Enterprise, prompts and suggestions are retained for 28 days to provide context and improve the service. User engagement data, which includes usage patterns and interactions, is kept for two years. This data retention policy is designed to balance service improvement with user privacy.

NEW QUESTION # 106

How can you get multiple suggestions from GitHub Copilot?

- A. By using the inline chat functionality with the command 'multiple'
- B. By opening the completions panel in your editor
- C. By using @workspace in the chat window
- D. By asking for multiple suggestions using comments in your code

Answer: B

Explanation:

You can get multiple suggestions by opening the completions panel in your editor, which displays alternative code suggestions.

Reference: GitHub Copilot usage documentation.

NEW QUESTION # 107

Which of the following statements best describes the impact of GitHub Copilot on the software development process?

- A. It increases productivity by automating repetitive coding tasks.
- B. It replaces the need for developers in the software development process.
- C. It decreases software vulnerabilities from third party dependencies.
- D. It reduces overhead by automating testing workflows.

Answer: A

Explanation:

GitHub Copilot primarily impacts the software development process by increasing productivity through automating repetitive coding tasks.

NEW QUESTION # 108

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