

2026 The Best GH-300 Test Voucher | 100% Free Test GitHub Copilot Prep



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Microsoft GH-300 Exam Syllabus Topics:

Topic	Details
Topic 1	<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 2	<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 3	<ul style="list-style-type: none"> GitHub Copilot Plans and Feature: This domain targets Product Managers and DevOps Engineers and focuses on understanding the various GitHub Copilot subscription plans like Individual, Business, and Enterprise, including distinctions and management features. It covers how Copilot is integrated into IDEs, different triggering methods for code suggestions, organizational policy management, subscription administration via API, and effective use of Copilot Chat and Knowledge Bases. Candidates also learn about CLI usage and configuration.
Topic 4	<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 5	<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.
Topic 6	<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.

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Microsoft GitHub Copilot Sample Questions (Q112-Q117):

NEW QUESTION # 112

How do you generate code suggestions with GitHub Copilot in the CLI?

- A. Describe the project's architecture # Use the copilot generate command # Accept the generated suggestion.
- B. Type out the code snippet # Use the copilot refine command to enhance it # Review the suggested command.
- C. Write code comments # Press the suggestion shortcut # Select the best suggestion from the list.
- D. Use `gh copilot suggest` # Write the command you want # Select the best suggestion from the list.

Answer: D

Explanation:

"To generate a suggestion, run `gh copilot suggest`, provide your command description, then review and select from the suggestions returned." This confirms the CLI command flow in option C.

References: GitHub Copilot CLI documentation.

NEW QUESTION # 113

Which GitHub Copilot plan could an Azure DevOps organization use without requiring a GitHub Enterprise license?

- A. GitHub Copilot Enterprise
- B. Copilot Teams
- C. GitHub Copilot for Azure DevOps
- D. GitHub Copilot Individual

Answer: C

Explanation:

"GitHub Copilot for Azure DevOps is available to Azure DevOps organizations without requiring a GitHub Enterprise license." This confirms that Copilot for Azure DevOps is the correct plan for such organizations.

References: GitHub Copilot for Azure DevOps documentation.

NEW QUESTION # 114

Identify the right use cases where GitHub Copilot Chat is most effective. (Each correct answer presents part of the solution. Choose two.)

- A. Explain a legacy COBOL code and translate the code to another language like Python.
- B. Creation of a unit test scenario for newly developed Python code
- C. Create a technical requirement specification from the business requirement documentation
- D. Creation of end-to-end performance testing scenarios for a web application

Answer: A,B

Explanation:

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

Reference: GitHub Copilot Chat use cases.

NEW QUESTION # 115

What are the effects of content exclusions? (Each correct answer presents part of the solution. Choose two.)

- A. The excluded content is no longer used while debugging the code.
- B. GitHub Copilot suggestions are no longer available in the excluded files.
- C. The IDE will not count coding suggestions in the excluded content.
- D. The excluded content is not directly available to GitHub Copilot to use as context.

Answer: B,D

Explanation:

Content exclusions prevent GitHub Copilot from using the excluded content as context and stop suggestions from being generated in those files.

NEW QUESTION # 116

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. Use diverse data, fairness metrics, and human oversight.
- D. Collect massive amounts of data for training.

Answer: C

Explanation:

"Minimizing bias requires diverse datasets, use of fairness metrics, and human oversight throughout development and deployment." This clearly confirms that the proper approach is a combination of diverse data, fairness metrics, and oversight.

References: Microsoft Responsible AI and GitHub Copilot fairness guidelines.

NEW QUESTION # 117

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