

# Professional GitHub-Copilot Latest Braindumps Free—100% High Pass-Rate Pdf GitHub Copilot Certification Exam Free



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## GitHub GitHub-Copilot Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none"><li>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.</li></ul>
Topic 2	<ul style="list-style-type: none"><li>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.</li></ul>

Topic 3	<ul style="list-style-type: none"> <li>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.</li> </ul>
Topic 4	<ul style="list-style-type: none"> <li>Developer Use Cases for AI: This section of the exam measures skills of Full-Stack Developers and Cloud Engineers and covers how AI enhances developer productivity across various tasks such as learning new programming languages, debugging, writing documentation, and refactoring code. It discusses how GitHub Copilot integrates with the Software Development Lifecycle (SDLC) and its role in modernizing legacy applications. It also highlights the use of AI for personalized responses, sample data generation, and improving overall efficiency in software development.</li> </ul>
Topic 5	<ul style="list-style-type: none"> <li>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.</li> </ul>
Topic 6	<ul style="list-style-type: none"> <li>Responsible AI: This section of the exam measures the skills of AI Ethics Analysts and AI Developers and covers the principles of responsible AI usage, the risks associated with AI, and the limitations of generative AI tools. It includes the importance of validating AI-generated outputs and operating AI systems responsibly. It also explores potential harms such as bias, privacy concerns, and fairness issues, along with methods to mitigate these risks. The ethical considerations of AI development and deployment are also discussed.</li> </ul>

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### GitHub Copilot Certification Exam Sample Questions (Q57-Q62):

#### NEW QUESTION # 57

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 Business for non-GHE Customers
- B. GitHub Copilot Individual**
- C. GitHub Copilot Business
- D. GitHub Copilot Enterprise
- E. GitHub Copilot Teams

**Answer: B**

Explanation:

For an independent contractor, GitHub Copilot Individual is the most suitable and cost-effective plan.

#### NEW QUESTION # 58

Select a strategy to increase the performance of GitHub Copilot Chat.

- A. Apply prompt engineering techniques to be more specific
- B. Limit the number of concurrent users accessing GitHub Copilot Chat
- C. Use a single GitHub Copilot Chat query to find resolutions for the collection of technical requirements
- D. Optimize the usage of memory-intensive operations within generated code

**Answer: A**

Explanation:

Applying prompt engineering techniques to be more specific is the best strategy to increase the performance and relevance of GitHub Copilot Chat's responses.

#### **NEW QUESTION # 59**

Why is code reviewing still necessary when using GitHub Copilot to write tests?

- A. Because GitHub Copilot replaces the need for manual testing.
- B. Because GitHub Copilot's generated test cases may not cover all possible scenarios.
- C. Because GitHub Copilot can cover all possible scenarios in your test cases.
- D. Because GitHub Copilot generates the best code possible for the test scenario.

**Answer: B**

Explanation:

Code review is necessary because GitHub Copilot's generated test cases might not cover all possible scenarios, especially edge cases and complex interactions.

#### **NEW QUESTION # 60**

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

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

**Answer: B**

Explanation:

When the public code filter is enabled, GitHub Copilot runs code suggestions through filters designed to detect matches with publicly available code. This helps prevent the generation of code that might infringe on copyright or licensing agreements.

#### **NEW QUESTION # 61**

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

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

**Answer: C,D**

Explanation:

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

#### **NEW QUESTION # 62**

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