

試験の準備方法-認定するGH-300問題無料試験-効率的なGH-300復習教材



さらに、JPNTest GH-300ダンプの一部が現在無料で提供されています：<https://drive.google.com/open?id=1FqhdKZymuab3A-XP2HFL5zB938APosYQ>

多分、GH-300テスト質問の数が伝統的な問題の数倍である。Microsoft GH-300試験参考書は全ての知識を含めて、全面的です。そして、GH-300試験参考書の問題は本当の試験問題とだいたい同じことであるとわかります。GH-300試験参考書があれば、ほかの試験参考書を勉強する必要がないです。

Microsoft GH-300 認定試験の出題範囲:

トピック	出題範囲
トピック 1	<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.
トピック 2	<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.

トピック 3	<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.
トピック 4	<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.
トピック 5	<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.
トピック 6	<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.

>> GH-300問題無料 <<

GH-300復習教材、GH-300模擬試験問題集

Microsoftラップトップまたは携帯電話でGH-300テスト準備を学習し、さまざまな種類があるので簡単に楽しく勉強できます。または、PDFバージョンを印刷して、紙に印刷してメモをとるのに便利な試験を準備できます。GH-300試験の準備を勉強するのにそれほど時間はかかりません。学習に固執すれば、最終的に試験に合格します。GH-300試験準備が最も便利で効率的であり、GH-300試験準備により、GH-300試験に合格するための重要な情報と集中力を習得することができます。

Microsoft GitHub Copilot 認定 GH-300 試験問題 (Q114-Q119):

質問 # 114

How does GitHub Copilot assist developers in reducing the amount of manual boilerplate code they write?

- A. By engaging in real-time collaboration with multiple developers to write boilerplate code.
- B. By refactoring the entire codebase to eliminate boilerplate code without developer input.
- **C. By suggesting code snippets that can be reused across different parts of the project.**
- D. By predicting future coding requirements and pre-emptively generating boilerplate code.

正解: C

解説:

"Copilot helps reduce boilerplate by suggesting reusable code snippets for repetitive structures across your project." This proves that Copilot saves time by generating reusable snippets, not by preemptively or automatically refactoring entire codebases.

References: GitHub Copilot productivity documentation.

質問 # 115

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 may increase development lead time by providing irrelevant suggestions.
- D. GitHub Copilot's suggestions may not always reflect best practices or the latest coding standards.

正解: A、D

解説:

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.

Reference: GitHub Copilot best practices and risk management.

質問 # 116

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

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

正解: A、D

解説:

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.

質問 # 117

How can the insights gained from the metrics API be used to improve the development process in conjunction with GitHub Copilot?

- A. Detailed analysis of GitHub Copilot's suggestions vs. manual coding.
- B. Automated generation of complete project documentation.
- C. Real-time debugging and error resolution statistics.
- D. Insights on the types of coding languages where GitHub Copilot is most helpful.

正解: A

解説:

"The Copilot metrics API provides insights into how suggestions are being accepted and used, enabling teams to analyze the relative impact of Copilot-generated code versus manually written code." This confirms option D is correct, as the API enables analysis of Copilot versus manual coding.

References: GitHub Copilot metrics API documentation.

質問 # 118

How does GitHub Copilot Chat ensure that a function works correctly?

- A. By writing the implementation code for the function.
- B. By automatically writing all the tests for the function.
- C. By suggesting assertions based on the code's context and semantics.
- D. By executing the test cases to validate the correctness of the code.

正解: C

解説:

GitHub Copilot Chat can suggest assertions based on the code's context and semantics to help developers verify the correctness of their functions. These assertions serve as checks that the function behaves as expected under various conditions.

