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The GitHub Copilot certification exam is one of the top-rated career advancement GH-300 certifications in the market. This GitHub Copilot certification exam has been inspiring candidates since its beginning. Over this long period, thousands of GitHub Copilot exam candidates have passed their GH-300 Certification Exam and now they are doing jobs in the world's top brands.

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Microsoft GH-300 Exam Syllabus Topics:

Topic	Details
Topic 1	<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 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.
Topic 3	<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 4	<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.

Microsoft GitHub Copilot Sample Questions (Q95-Q100):

NEW QUESTION # 95

What is few-shot prompting?

- A. Telling GitHub Copilot about the mechanism you want it to use and how to incorporate that into the response
- B. Telling GitHub Copilot to iterate several times on the answer before returning it to you
- C. Telling GitHub Copilot from which sources it should base the response on
- D. Telling GitHub Copilot to try multiple times to answer the prompt

Answer: A

Explanation:

"Few-shot prompting is a technique where you provide examples of the mechanism or output you want the model to follow. These examples guide the AI's responses." This proves that option A is correct.

References: GitHub Copilot prompt engineering documentation.

NEW QUESTION # 96

Which of the following is a risk associated with using AI?

- A. AI replaces the need for developer opportunities in most fields.
- B. AI algorithms are incapable of perpetuating existing biases.
- C. AI systems can sometimes make decisions that are difficult to interpret.
- D. AI eliminates the need for data privacy regulations.

Answer: C

Explanation:

A risk associated with AI is that its decisions can be difficult to interpret, leading to a lack of transparency and potential misunderstandings.

NEW QUESTION # 97

Identify the steps involved in the life cycle of a GitHub Copilot code suggestion? (Each correct answer presents part of the solution. Choose two.)

- A. Capturing the user's context
- B. Processing telemetry data
- C. Retraining the model
- D. Storing user data
- E. Generate suggestions

Answer: A,E

Explanation:

Exact extracts:

* "Copilot first captures the context of the developer's code and environment." References: GitHub Copilot technical overview documentation.

NEW QUESTION # 98

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

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

Answer: A

Explanation:

"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.

NEW QUESTION # 99

What is the primary role of the /optimize slash command in Visual Studio?

- A. Summarizes your documentation into more maintainable and readable formats.
- B. Enhances the performance of the selected code by analyzing its runtime complexity.
- C. Automatically formats the code according to the selected style guide.
- D. Translates code into a more performant language.

Answer: B

Explanation:

The /optimize slash command in Visual Studio enhances the performance of the selected code by analyzing its runtime complexity and suggesting improvements.

NEW QUESTION # 100

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