

GitHub-Copilot dumps PDF, GitHub-Copilot exam questions and answers, free GitHub-Copilot dumps

QUESTION: 9

What GitHub Copilot pricing plan gives you access to your company's knowledge bases?

- Option A : GitHub Copilot Individual
- Option B : GitHub Copilot Business
- Option C : GitHub Copilot Enterprise
- Option D : GitHub Copilot Professional

Correct Answer: C

Explanation/Reference:

GitHub Copilot Enterprise provides access to your company's knowledge bases, enabling the tool to provide contextually relevant suggestions based on your organization's specific documentation and code. Reference: GitHub Copilot Enterprise pricing and features.

QUESTION: 10

You are a team lead in a software development company that has recently adopted GitHub Copilot. You've heard about GitHub Copilot Chat, which adds an interactive chat feature to Copilot, and you want to present its main features to your team. Which of the following are key features of GitHub Copilot Chat?

- Option A : Provides step-by-step explanations for suggested code snippets
- Option B : Collaborates in real-time with other developers on the same project
- Option C : Automatically refactors entire codebases upon request
- Option D : Generates detailed test cases based on user prompts

Correct Answer: A

QUESTION: 11

You are working in an enterprise environment where data privacy is a top priority. Your team is using GitHub Copilot to generate code suggestions within your IDE, and management is concerned about how Copilot handles sensitive data, such as proprietary algorithms and API keys. You are asked to explain how GitHub Copilot processes and manages your input to ensure compliance with privacy policies. Which of the following statements best describes how GitHub Copilot processes your code and manages sensitive data like API keys or proprietary code?

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GitHub GitHub-Copilot Exam Syllabus Topics:

Topic	Details
Topic 1	• 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.
Topic 2	• 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.
Topic 3	• 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.
Topic 4	• 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.
Topic 5	• 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.

GitHub Copilot Certification Exam Sample Questions (Q13-Q18):

NEW QUESTION # 13

How does GitHub Copilot Chat utilize its training data and external sources to generate responses when answering coding questions?

- A. It primarily uses search results from Bing to generate responses.
- **B. It combines its training data set, code in user repositories, and external sources like Bing to generate responses.**
- C. It uses user-provided documentation exclusively to generate responses.
- D. It primarily relies on the model's training data to generate responses.

Answer: B

Explanation:

GitHub Copilot Chat combines its training data, code from user repositories, and external sources like Bing to generate comprehensive and relevant responses to coding questions.

NEW QUESTION # 14

Where is the proxy service hosted?

- A. Self hosted
- **B. Microsoft Azure**
- C. Amazon Web Service
- D. Google Cloud Platform

Answer: B

Explanation:

The proxy service for GitHub Copilot is hosted on Microsoft Azure.

NEW QUESTION # 15

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

Answer: C,D

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 # 16

In what way can GitHub Copilot and GitHub Copilot Chat aid developers in modernizing applications?

- **A. GitHub Copilot can suggest modern programming patterns based on your code.**
- B. GitHub Copilot can create and deploy full-stack applications based on a single query.
- C. GitHub Copilot can refactor applications to align with upcoming standards.
- D. GitHub Copilot can directly convert legacy applications into cloud-native architectures.

Answer: A

Explanation:

GitHub Copilot and GitHub Copilot Chat are powerful AI-driven tools designed to assist developers by providing context-aware code suggestions and interactive support. Specifically, in the context of modernizing applications, GitHub Copilot excels at analyzing existing code and suggesting modern programming patterns, best practices, and syntax improvements that align with contemporary development standards. For example, it can recommend updates to outdated constructs, propose more efficient algorithms, or suggest frameworks and libraries that are widely used in modern application development.

* Why not A? GitHub Copilot does not "directly convert" legacy applications into cloud-native architectures. It can assist by suggesting code changes or patterns that support such a transition, but it doesn't autonomously perform the full conversion process, which involves architectural decisions and deployment steps beyond its scope.

* Why not C? While GitHub Copilot can generate code snippets and even larger portions of an application, it cannot create and deploy full-stack applications from a single query. It requires developer input, refinement, and integration to achieve a complete, deployable solution.

* Why not D? GitHub Copilot can assist with refactoring by suggesting improvements to existing code, but it doesn't inherently "align

with upcoming standards" in a predictive sense. Its suggestions are based on current best practices and the data it was trained on, not future standards that are yet to be defined.

Thus, this is the most accurate and realistic way GitHub Copilot aids developers in modernizing applications, leveraging its ability to provide relevant, context-based suggestions to update and improve codebases.

NEW QUESTION # 17

What should developers consider when relying on GitHub Copilot for generating code that involves statistical analysis?

- A. GitHub Copilot will automatically correct any statistical errors found in the user's initial code.
- B. GitHub Copilot can design new statistical methods that have not been previously documented.
- C. GitHub Copilot's suggestions are based on statistical trends and may not always apply accurately to specific datasets.
- D. GitHub Copilot can independently verify the statistical significance of results.

Answer: C

Explanation:

Developers should consider that GitHub Copilot's suggestions are based on statistical trends and may not always be accurate for specific datasets, requiring careful validation.

NEW QUESTION # 18

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