Microsoft

Exam Questions GH-300

GitHub Copilot Exam

NEW QUESTION 1
A social media manager wants to use AI to filter content. How can they promote transparency in the platform??s AI operations?

A. By regularly updating the AI filtering algorithm.
B. By relying on a well-regarded AI development company.
C. By focusing on user satisfaction with the content filtering.
D. By providing clear explanations about the types of content the AI is designed to filter and how it arrives at its conclusion.

Answer: D

NEW QUESTION 2
Which GitHub Copilot plan allows for prompt and suggestion collection?

A. GitHub Copilot Individuals
B. GitHub Copilot Business
C. GitHub Copilot Enterprise
D. GitHub Copilot Codespace

Answer: C

NEW QUESTION 3
What is used by GitHub Copilot in the IDE to determine the prompt context?

A. Information from the IDE like open tabs, cursor location, selected code.
B. All the code in the current repository and any git submodules.
C. The open tabs in the IDE and the current folder of the terminal.
D. All the code visible in the current IDE.

Answer: A

NEW QUESTION 4
How does GitHub Copilot Chat utilize its training data and external sources to generate responses when answering coding questions?

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

Answer: C

NEW QUESTION 5
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's suggestions may not always reflect best practices or the latest coding standards.
D. GitHub Copilot may increase development lead time by providing irrelevant suggestions.

Answer: AC

NEW QUESTION 6
How does GitHub Copilot suggest code optimizations for improved performance?

A. By analyzing the codebase and suggesting more efficient algorithms or data structures.
B. By automatically rewriting the codebase to use more efficient code.
C. By enforcing strict coding standards that ensure optimal performance.
D. By providing detailed reports on the performance of the codebase.

Answer: A

NEW QUESTION 7
Which of the following scenarios best describes the intended use of GitHub Copilot Chat as a tool?

A. A complete replacement for developers generating code.
B. A productivity tool that provides suggestions, but relying on human judgment.
C. A solution for software development, requiring no additional input or oversight.
D. A tool solely designed for debugging and error correction.

Answer: B

NEW QUESTION 8
If you are working on open source projects, GitHub Copilot Individual can be paid:

A. Based on the payment method in your user profile
B. N/A – Copilot Individual is a free service for all open source projects
C. Through an invoice or a credit card
D. Through an Azure Subscription

Answer: A

NEW QUESTION 9
Which scenarios can GitHub Copilot Chat be used to increase productivity? (Each correct answer presents part of the solution. Choose two.)

A. A project plan for the team needs to be generated using a project management software.
B. Create a documentation file for the newly created code base.
C. A developer is added to a new project and would like to understand the current software code.
D. Fast tracking of release management activities to move code to production main branch.

Answer: BC

NEW QUESTION 10
What method can a developer use to generate sample data with GitHub Copilot? (Each correct answer presents part of the solution. Choose two.)

A. Utilizing GitHub Copilot's ability to create fictitious information from patterns in training data.
B. Leveraging GitHub Copilot's ability to independently initiate and manage data storage services.
C. Utilize GitHub Copilot's capability to directly access and use databases to create sample data.
D. Leveraging GitHub Copilot's suggestions to create data based on API documentation in the repository.

Answer: AD

NEW QUESTION 10
What are the effects of content exclusions? (Each correct answer presents part of the solution. Choose two.)

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

Answer: AB

NEW QUESTION 11
What types of prompts or code snippets might be flagged by the GitHub Copilot toxicity filter? (Each correct answer presents part of the solution. Choose two.)

A. Hate speech or discriminatory language (e.g., racial slurs, offensive stereotypes)
B. Sexually suggestive or explicit content
C. Code that contains logical errors or produces unexpected results
D. Code comments containing strong opinions or criticisms

Answer: AB

NEW QUESTION 16
Which Microsoft ethical AI principle is aimed at ensuring AI systems treat all people equally?

A. Inclusiveness
B. Fairness
C. Reliability and Safety
D. Privacy and Security

Answer: B

NEW QUESTION 17
What two options navigate to configure duplicate detection? (Each correct answer presents part of the solution. Choose two.)

A. Enterprise settings Copilot Policies
B. Repository settings Copilot Policies
C. Organization settings Copilot Policies
D. User settings Copilot Policies

Answer: AC

NEW QUESTION 22
How do you generate code suggestions with GitHub Copilot in the CLI?

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

Answer: C

NEW QUESTION 23
What is the correct way to access the audit log events for GitHub Copilot Business?

A. Navigate to the Security tab in the organization's GitHub settings
B. Navigate to the Insights tab in the repository settings
C. Use the Audit log section in the organization's GitHub settings
D. Use the Code tab in the GitHub repository

Answer: C

NEW QUESTION 25
In what way can GitHub Copilot and GitHub Copilot Chat aid developers in modernizing applications?

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

Answer: B

NEW QUESTION 29
How can GitHub Copilot facilitate a smoother learning experience when diving into a new programming language? (Each correct answer presents part of the solution. Choose two.)

A. GitHub Copilot Chat can provide guidance and support for common coding tasks and challenges in the targeted programming language.
B. GitHub Copilot's /understand command will help GitHub Copilot to understand code written in a targeted programming language.
C. GitHub Copilot can provide contextualized code suggestions and answer sources from an organization's documentation.
D. GitHub Copilot can convert comments into code to grasp the syntax and nuances of a new programming language.

Answer: AD

NEW QUESTION 31
Which of the following GitHub Copilot Business related activities can be tracked using the organization audit logs?

A. Accepted chat suggestions
B. Code suggestions made by GitHub Copilot
C. Changes to content exclusion settings
D. Suggestions blocked by duplication detection filtering

Answer: C

NEW QUESTION 34
Which REST API endpoint is used to modify details about a GitHub Copilot Business subscription? (Each correct answer presents part of the solution. Choose two.)

A. Add teams to the Copilot subscription for an organization
B. Upgrade or downgrade the subscription tier
C. Migrate Copilot seat assignments between GitHub organizations
D. Reassign Copilot seats based on GitHub repository size
E. Remove teams from the Copilot subscription for an organization

Answer: AE

NEW QUESTION 36
What reasons could apply if code suggestions are not working in your editor? (Select three.)

A. You are working in files included in your .gitignore
B. You do not have an active internet connection
C. Your programming language is not supported
D. Your content exclusion is active and blocks the use of GitHub Copilot
E. You do not have a valid GitHub Copilot license

Answer: BCE

NEW QUESTION 41
How does GitHub Copilot Chat ensure that a function works correctly?

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

Answer: A

NEW QUESTION 42
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. Generate suggestions
B. Capturing the user's context
C. Processing telemetry data
D. Retraining the model
E. Storing user data

Answer: AB

NEW QUESTION 45
Which Copilot Individual features are available when using a supported extension for Visual Studio, VS Code, or JetBrains IDEs? (Each correct answer presents part of the solution. Choose two.)

A. Code suggestions
B. Chat
C. Knowledge Base
D. Pull Request Diff Analysis

Answer: AB

NEW QUESTION 48
What types of content can GitHub Copilot Knowledge Base answer questions about? (Each correct answer presents part of the solution. Choose three.)

A. Code snippets
B. Compiled binaries
C. Documentation
D. Design patterns
E. Screenshots

Answer: ACD

NEW QUESTION 52
What kind of insights can the GitHub Copilot usage metrics API provide to help evaluate the effectiveness of GitHub Copilot? (Each correct answer presents part of the solution. Choose two.)

A. The API can generate detailed reports on code quality improvements made by GitHub Copilot.
B. The API can track the number of code suggestions accepted and used in the organization.
C. The API can provide Copilot Chat specific suggestions acceptance metrics.
D. The API can refactor your code to improve productivity.
E. The API can provide feedback on coding style and standards compliance.

Answer: BC

NEW QUESTION 55
Select a strategy to increase the performance of GitHub Copilot Chat.

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

Answer: B

NEW QUESTION 60
What is a limitation of content exclusions?

A. Repository administrators and organization owners cannot manage content exclusion settings.
B. Content exclusions can be worked around as it is only available for Git repositories.
C. Content exclusions can only be configured by an enterprise administrator.
D. Content exclusions are only available in the GitHub Copilot Individual plan.

Answer: C

NEW QUESTION 61
How can GitHub Copilot aid developers in writing documentation for their code?

A. GitHub Copilot cannot assist in writing documentation or comments.
B. GitHub Copilot can automatically generate complete and detailed documentation.
C. GitHub Copilot can suggest summaries or descriptions based on the code's functionality.
D. GitHub Copilot can only generate content in markdown format.

Answer: C

NEW QUESTION 63
What role does chat history play in GitHub Copilot's code suggestions?

A. Chat history is used to train the GitHub Copilot model in real-time.
B. Chat history provides context to GitHub Copilot, improving the relevance and accuracy of its code suggestions.
C. Chat history is stored and shared with other users to enhance collaboration.
D. Chat history is irrelevant to GitHub Copilot and does not affect its functionality.

Answer: B

NEW QUESTION 67
How can you use GitHub Copilot to get inline suggestions for refactoring your code? (Select two.)

A. By adding comments to your code and triggering a suggestion.
B. By highlighting the code you want to fix, right-clicking, and selecting "Fix using GitHub Copilot."
C. By running the gh copilot fix command.
D. By using the "/fix" command in GitHub Copilot in-line chat.
E. By highlighting the code you want to fix, right-clicking, and selecting "Refactor using GitHub Copilot."

Answer: AE

NEW QUESTION 68
Why is it important to ensure the security of the code used in Generative AI (Gen AI) tools?

A. Ensuring code security prevents unauthorized access and potential data breaches.
B. Ensuring code security supports the development of more advanced AI features.
C. Ensuring code security enables the AI system to handle larger datasets effectively.
D. Ensuring code security maintains the integrity of the AI system.

Answer: A

NEW QUESTION 69
What practices enhance the quality of suggestions provided by GitHub Copilot? (Select three.)

A. Clearly defining the problem or task
B. Including personal information in the code comments
C. Using meaningful variable names
D. Providing examples of desired output
E. Use a .gitignore file to exclude irrelevant files

Answer: ACD

NEW QUESTION 70
In what ways can GitHub Copilot support a developer during the code refactoring process? (Each correct answer presents part of the solution. Choose two.)

A. By offering code transformation examples that enhance performance and reduce complexity.
B. By independently ensuring compliance with regulatory standards across industries.
C. By providing suggestions for improving code readability and maintainability based on best practices.
D. By autonomously refactoring entire codebases to the latest programming language.

Answer: AC

NEW QUESTION 75
Identify the right use cases where GitHub Copilot Chat is most effective. (Each correct answer presents part of the solution. Choose two.)

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

Answer: BC

NEW QUESTION 80
How can GitHub Copilot be limited when it comes to suggesting unit tests?

A. GitHub Copilot can generate all types of unit tests, including those for edge cases and complex integration scenarios.
B. GitHub Copilot primarily suggests basic unit tests that focus on core functionalities, often requiring additional input from developers for comprehensive coverage.
C. GitHub Copilot can handle any complexity in code and automatically generate appropriate unit tests.
D. GitHub Copilot's limitations in generating unit tests can vary based on the IDE version you are using.

Answer: B

NEW QUESTION 85
In what ways can GitHub Copilot contribute to the design phase of the Software Development Life Cycle (SDLC)?

A. GitHub Copilot can independently create a complete software design.
B. GitHub Copilot can suggest design patterns and best practices relevant to the project.
C. GitHub Copilot can manage design team collaboration and version control.
D. GitHub Copilot can generate user interface (UI) prototypes without prompting.

Answer: B

NEW QUESTION 86
How can you improve the context used by GitHub Copilot? (Each correct answer presents part of the solution. Choose two.)

A. By opening the relevant tabs in your IDE
B. By adding relevant code snippets to your prompt
C. By adding the important files to your .gitconfig
D. By adding the full file paths to your prompt of important files

Answer: AB

NEW QUESTION 89
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