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Simple, easy to understand explanations. To anyone who is writing the exam of AZ900,

Microsoft

(GH-300)

GitHub Copilot

Total: **129 Questions**

Link: <https://deepdumps.com/papers/microsoft/gh-300>

Question: 1**Deep Dumps**

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

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

Answer: B**Question: 2****Deep Dumps**

What can be done during AI development to minimize bias?

- A. Collect massive amounts of data for training.
- B. Focus on accuracy of the data.
- C. Use diverse data, fairness metrics, and human oversight.
- D. Improve on the computational efficiency and speed.

Answer: C**Question: 3****Deep Dumps**

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 enables the AI system to handle larger datasets effectively.
- C. Ensuring code security maintains the integrity of the AI system.
- D. Ensuring code security supports the development of more advanced AI features.

Answer: A**Question: 4****Deep Dumps**

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

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

Answer: A

Question: 5**Deep Dumps**

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

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

Answer: D**Question: 6****Deep Dumps**

Which GitHub Copilot plan could an Azure DevOps organization use without requiring a GitHub Enterprise license?

- A. GitHub Copilot Enterprise
- B. GitHub Copilot for Azure DevOps
- C. Copilot Teams
- D. GitHub Copilot Individual

Answer: B**Question: 7****Deep Dumps**

Which of the following steps correctly demonstrates how to establish an organization-wide policy for GitHub Copilot Business to restrict its use to certain repositories?

- A. Create a copilot.policy file in each repository
- B. Create a copilot.policy in the .github repository
- C. Configure the policies in the organization settings
- D. Apply policies through the GitHub Actions configuration

Answer: C**Question: 8****Deep Dumps**

What type of information can you retrieve through GitHub Copilot Business Subscriptions via REST API? Each correct answer presents part of the solution. (Choose two.)

- A. View code suggestions for a specific user
- B. List all GitHub Copilot seat assignments for an organization
- C. Get a summary of GitHub Copilot usage for organization members
- D. List of all unsubscribed GitHub Copilot members within an organization

Answer: BC

Question: 9**Deep Dumps**

What is the best way to share feedback about GitHub Copilot Chat when using it on GitHub Mobile?

- A. The feedback section on the GitHub website.
- B. By tweeting at GitHub's official X (previously known as Twitter) account.
- C. Use the emojis in the Copilot Chat interface.
- D. The Settings menu in the GitHub Mobile app.

Answer: C**Question: 10****Deep Dumps**

What specific function does the '/fix' slash command perform?

- A. Proposes changes for detected issues, suggesting corrections for syntax errors and programming mistakes.
- B. Converts pseudocode into executable code, optimizing for readability and maintainability.
- C. Generates new code snippets based on language syntax and best practices.
- D. Initiates a code review with static analysis tools for security and logic errors.

Answer: A**Question: 11****Deep Dumps**

Which GitHub Copilot pricing plans include features that exclude your GitHub Copilot data like usage, prompts, and suggestions from default training GitHub Copilot? (Choose two.)

- A. GitHub Copilot Codespace
- B. GitHub Copilot Business
- C. GitHub Copilot Individual
- D. GitHub Copilot Enterprise

Answer: BD**Question: 12****Deep Dumps**

When using an IDE with a supported GitHub Copilot plug-in, which Chat features can be accessed from within the IDE? Each correct answer presents part of the solution. (Choose two.)

- A. Explain code and suggest improvements
- B. Find out about releases and commits
- C. Generate unit tests
- D. Plan coding tasks

Answer: AC

Question: 13**Deep Dumps**

Which Copilot Enterprise features are available in all commercially supported IDEs?

- A.Knowledge bases
- B.Chat
- C.Inline suggestions
- D.Pull request summaries

Answer: C**Question: 14****Deep Dumps**

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

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

Answer: AB**Question: 15****Deep Dumps**

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 feedback on coding style and standards compliance.
- D. The API can provide Copilot Chat specific suggestions acceptance metrics.
- E. The API can refactor your code to improve productivity.

Answer: BD**Question: 16****Deep Dumps**

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

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

Answer: D

Question: 17**Deep Dumps**

Which of the following are true about code suggestions? Each correct answer presents part of the solution. (Choose two.)

- A. Code suggestions are limited to single-line suggestions
- B. Code suggestions are guaranteed to not expose known security vulnerabilities
- C. Code suggestions will always compile or run without modifications
- D. You can use keyboard shortcuts to accept the next word in a suggestion
- E. Alternative code suggestions can be shown in a new tab

Answer: DE**Question: 18****Deep Dumps**

What reasons could apply if code suggestions are not working in your editor? (Choose three.)

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

Answer: ABD**Question: 19****Deep Dumps**

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

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

Answer: CD**Question: 20****Deep Dumps**

How can users provide feedback about GitHub Copilot Chat using their IDE?

- A. By emailing the support team directly.
- B. Through the “Share Feedback” button in the Copilot Chat panel.
- C. By filling out a feedback form on the GitHub website.
- D. By posting on the GitHub forums.

Answer: B

Question: 21**Deep Dumps**

GitHub Copilot in the Command Line Interface (CLI) can be used to configure the following settings: Each correct answer presents part of the solution. (Choose two.)

- A. Usage analytics
- B. The default editor
- C. The default execution confirmation
- D. GitHub CLI subcommands

Answer: AC**Question: 22****Deep Dumps**

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

- A. compiled binaries
- B. code snippets
- C. design patterns
- D. screenshots
- E. documentation

Answer: BCE**Question: 23****Deep Dumps**

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

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

Answer: D**Question: 24****Deep Dumps**

What is the primary purpose of organization audit logs in GitHub Copilot Business?

- A. To track the number of lines of code suggested by Copilot
- B. To assign software licenses within the organization
- C. To monitor code conflicts across repositories
- D. To monitor administrator activities and actions within the organization

Answer: D

Question: 25**Deep Dumps**

What is a likely effect of GitHub Copilot being trained on commonly used code patterns?

- A. Suggest completely novel projects, while reducing time on a project.
- B. Suggest innovative coding solutions that are not yet popular.
- C. Suggest homogeneous solutions if provided a diverse data set.
- D. Suggest code snippets that reflect the most common practices in the training data.

Answer: D**Question: 26****Deep Dumps**

How does GitHub Copilot typically handle code suggestions that involve deprecated features or syntax of programming languages?

- A. GitHub Copilot always filters out deprecated elements to promote the use of current standards.
- B. GitHub Copilot may suggest deprecated syntax or features if they are present in its training data.
- C. GitHub Copilot rejects all prompts involving deprecated features to avoid compilation errors.
- D. GitHub Copilot automatically updates deprecated features in its suggestions to the latest version.

Answer: B**Question: 27****Deep Dumps**

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

Answer: BE**Question: 28****Deep Dumps**

What role does the pre-processing of user input play in the data flow of GitHub Copilot Chat?

- A. It formats the output response before presenting it to the user.
- B. It filters out irrelevant information from the user's input prompt.
- C. It enriches the input prompt with additional context before passing it to the language model.
- D. It directly generates a response based on the user's input prompt.

Answer: C

Question: 29**Deep Dumps**

What are the additional checks that need to pass before the GitHub Copilot responses are submitted to the user? Each correct answer presents part of the solution. (Choose two.)

- A. Code quality
- B. Compatibility with user-specific settings
- C. Performance benchmarking
- D. Suggestions matching public code (optional based on settings)

Answer: AD**Question: 30****Deep Dumps**

What are the potential limitations of GitHub Copilot Chat? Each correct answer presents part of the solution. (Choose two.)

- A. Ability to handle complex code structures
- B. Limited training data
- C. Extensive support for all programming languages
- D. No biases in code suggestions

Answer: AB**Question: 31****Deep Dumps**

What is the impact of the “Fill-In-the-Middle” (FIM) technique on GitHub Copilot’s code suggestions?

- A. Improves suggestions by considering both the prefix and suffix of the code, filling in the middle part more accurately.
- B. Restricts Copilot to use only external databases for generating code suggestions.
- C. Allows Copilot to generate suggestions based only on the prefix of the code.
- D. Ignores both the prefix and suffix of the code, focusing only on user comments for context.

Answer: A**Question: 32****Deep Dumps**

Which of the following statements correctly describes how GitHub Copilot Individual uses prompt data? Each correct answer presents part of the solution. (Choose two.)

- A. Real-time user input helps generate context-aware code suggestions.
- B. Prompt data is used internally by GitHub for improving the search engine.
- C. Prompt data is used to train machine learning models for better code suggestions.
- D. Prompt data is stored unencrypted for faster processing.

Answer: AC

Question: 33**Deep Dumps**

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 visible in the current IDE.
- C. All the code in the current repository and any git submodules.
- D. The open tabs in the IDE and the current folder of the terminal.

Answer: A**Question: 34****Deep Dumps**

Which of the following does GitHub Copilot's LLM derive context from when producing a response?

- A. Version control system integrated with the IDE
- B. Syntax highlighting scheme of the code in the IDE
- C. Frequency of commits to the repository
- D. Neighboring or related files within a project

Answer: D**Question: 35****Deep Dumps**

What is a benefit of using custom models in GitHub Copilot?

- A. Responses use the organization's LLM engine
- B. Responses are faster to produce and appear sooner
- C. Responses are guaranteed to be correct
- D. Responses use practices and patterns in your repositories

Answer: D**Question: 36****Deep Dumps**

How does GitHub Copilot identify matching code and ensure that public code is appropriately handled or blocked? Each correct answer presents part of the solution. (Choose two.)

- A. Implementing safeguards to detect and avoid suggesting verbatim snippets from public code
- B. Filtering out suggestions that match code from public repositories
- C. Using machine learning models trained only on private repositories
- D. Reviewing and storing user-specific private repository data for future suggestions

Answer: AB

Question: 37**Deep Dumps**

How does GitHub Copilot utilize chat history to enhance its code completion capabilities?

- A. By sharing chat history with third-party services to improve integration and functionality.
- B. By analyzing past chat interactions to identify common programming patterns and errors.
- C. By logging chat history to monitor user activity and ensure compliance with coding standards.
- D. By using chat history to offer personalized code snippets based on previous prompts.

Answer: D**Question: 38****Deep Dumps**

What is the main purpose of the duplication detection filter in GitHub Copilot?

- A. To compare user-generated code against a private repository for potential matches.
- B. To encourage the user to follow coding best practices preventing code duplication.
- C. To allow administrators to control which suggestions are visible to developers based on custom criteria.
- D. To detect and block suggestions that match public code snippets on GitHub if they contain about 150 characters.

Answer: D**Question: 39****Deep Dumps**

When crafting prompts for GitHub Copilot, what is a recommended strategy to enhance the relevance of the generated code?

- A. Keep the prompt as short as possible, using single words or brief phrases.
- B. Provide examples of expected input and output within the prompt.
- C. Avoid mentioning the programming language to allow for more flexible suggestions.
- D. Write the prompt in natural language without any programming language.

Answer: B**Question: 40****Deep Dumps**

What is zero-shot prompting?

- A. Giving GitHub Copilot examples of the algorithm and outcome you want to use
- B. Only giving GitHub Copilot a question as a prompt and no examples
- C. Giving GitHub Copilot examples of the problem you want to solve
- D. Giving as little context to GitHub Copilot as possible
- E. Telling GitHub Copilot it needs to show only the correct answer

Answer: B

Question: 41**Deep Dumps**

What are the different ways to give context to GitHub Copilot to get more precise responses? Each correct answer presents part of the solution. (Choose two.)

- A. Engage with chat participants such as @workspace to incorporate collaborative context into the responses.
- B. Access developer's previous projects and code repositories to understand their coding style without explicit permission.
- C. Utilize to interpret developer's thoughts and intentions without any code or comments.
- D. Utilize chat variables like #file and #editors to anchor the conversation within the specific context of the files or editors in use.

Answer: AD**Question: 42****Deep Dumps**

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

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

Answer: C**Question: 43****Deep Dumps**

What is few-shot prompting?

- A. Telling GitHub Copilot to try multiple times to answer the prompt
- 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 about the mechanism you want it to use and how to incorporate that into the response

Answer: D**Question: 44****Deep Dumps**

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

Answer: AB

Question: 45**Deep Dumps**

What is one of the recommended practices when using GitHub Copilot Chat to enhance code quality?

- A. Rely solely on Copilot's suggestions without reviewing them.
- B. Regularly review and refactor the code suggested by Copilot.
- C. Disable Copilot's inline suggestions.
- D. Avoid using Copilot for complex tasks.

Answer: B**Question: 46****Deep Dumps**

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

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

Answer: B**Question: 47****Deep Dumps**

Are there any limitations to consider when using GitHub Copilot for code refactoring?

- A. GitHub Copilot may not always produce optimized or best-practice code for refactoring.
- B. GitHub Copilot always produces bug-free code during refactoring.
- C. GitHub Copilot understands the context of your entire project and refactors code accordingly.
- D. GitHub Copilot can only be used with a limited set of programming languages.

Answer: A**Question: 48****Deep Dumps**

How does GitHub Copilot assist developers in minimizing context switching?

- A. GitHub Copilot can predict and prevent bugs before they occur.
- B. GitHub Copilot allows developers to stay in their IDE.
- C. GitHub Copilot can completely replace the need for human collaboration.
- D. GitHub Copilot can automatically handle project management tasks.

Answer: B**Question: 49****Deep Dumps**

What are the potential limitations of GitHub Copilot in maintaining existing codebases?

- A. GitHub Copilot's suggestions are always aware of the entire codebase.
- B. GitHub Copilot can refactor and optimize the entire codebase up to 10,000 lines of code.
- C. GitHub Copilot can independently manage and resolve all merge conflicts in version control.
- D. GitHub Copilot might not fully understand the context and dependencies within a large codebase.

Answer: D

Question: 50

Deep Dumps

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

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

Answer: A

Question: 51

Deep Dumps

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

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

Answer: B

Question: 52

Deep Dumps

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

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

Answer: AD

Question: 53

Deep Dumps

How does GitHub Copilot Chat help to fix security issues in your codebase?

- A. By automatically refactoring the entire codebase to remove vulnerabilities.
- B. By annotating the given suggestions with known vulnerability patterns.

- C. By enforcing strict coding standards that prevent the introduction of vulnerabilities.
- D. By providing detailed reports on the security vulnerabilities present in the codebase.

Answer: B

Question: 54

Deep Dumps

What caution should developers exercise when using GitHub Copilot for assistance with mathematical computations?

- A. GitHub Copilot's capability to optimize complex mathematical algorithms beyond manual coding.
- B. GitHub Copilot's ability to execute and verify mathematical results in real-time.
- C. GitHub Copilot's automatic update of outdated mathematical formulas to modern standards.
- D. GitHub Copilot's reliance on pattern-based responses without verifying computation accuracy.

Answer: D

Question: 55

Deep Dumps

When using GitHub Copilot Chat to generate boilerplate code for various test types, how can you guide the AI to follow the testing standards of your company?

- A. By using a specific slash command in the prompt.
- B. By using a specific command in the terminal.
- C. By using a specific setting in GitHub Copilot's configuration.
- D. By using specific prompt examples in your chat request.

Answer: D

Question: 56

Deep Dumps

When using GitHub Copilot to identify missing tests in your codebase, which of the following is the most important factor to consider?

- A. Having a high test coverage percentage in the codebase.
- B. Using well-known coding practices in your repository.
- C. Ensuring that the correct context is available to GitHub Copilot.
- D. Close all the tabs in your IDE that do not have tests in them.

Answer: C

Question: 57

Deep Dumps

How can GitHub Copilot assist in maintaining consistency across your tests?

- A. By providing documentation references based on industry best practices.
- B. By automatically fixing all tests in the code based on the context.

- C. By identifying a pattern in the way you write tests and suggesting similar patterns for future tests.
- D. By writing the implementation code for the function based on context

Answer: C

Question: 58

Deep Dumps

When using GitHub Copilot Chat to generate unit tests, which slash command would you use?

- A. /create-tests
- B. /generate-tests
- C. /tests
- D. /init-tests

Answer: B

Question: 59

Deep Dumps

Where can you validate if GitHub Copilot is not returning suggestions because of content exclusions?

- A. The GitHub Copilot errors panel in your IDE
- B. The GitHub Copilot logs on GitHub.com under your user settings
- C. The code suggestions window will display a warning message
- D. The GitHub Copilot icon in the status bar of the editor will display a message

Answer: D

Question: 60

Deep Dumps

When can GitHub Copilot still use content that was excluded using content exclusion?

- A. When the user prompts with @workspace.
- B. When the repository level settings allow overrides by the user.
- C. If the content exclusion was configured at the enterprise level, and is overwritten at the organization level.
- D. If the contents of an excluded file are referenced in code that is not excluded, for example function calls.

Answer: D

Question: 61

Deep Dumps

What GitHub Copilot configuration needs to be enabled to protect against IP infringements?

- A. Blocking license check configuration
- B. Blocking public code matches
- C. Allowing license check configuration
- D. Allowing public code matches

Answer: B

Question: 62

Deep Dumps

What is a limitation of content exclusions?

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

Answer: A

Question: 63

Deep Dumps

What content can be configured to be excluded with content exclusions? Each correct answer presents part of the solution. (Choose three.)

- A. Gists
- B. Repositories
- C. Files
- D. Lines in files
- E. Folders

Answer: BCE

Question: 64

Deep Dumps

A team is using GitHub Copilot Individual in their daily development activities. They need to exclude specific files from being used to inform code completion suggestions.

How can they achieve this?

- A. Upgrade to Copilot Business
- B. Add a .gitignore file to the repo
- C. Have an organization owner configure content exclusions
- D. Have a repo administrator configure content exclusions
- E. Use the #file Chat variable to exclude the files

Answer: A

Question: 65

Deep Dumps

What do you check when GitHub Copilot content exclusions are not working? Each correct answer presents part of the solution. (Choose two.)

- A. If GitHub Copilot can connect to the server selected in your user settings.
- B. If the user is in an organization that has content exclusions configured.

- C. If the content exclusion settings changed in the last 30 minutes or before that.
- D. If the user is part of the content exclusion team that limits the use of content exclusions.

Answer: BC

Question: 66

Deep Dumps

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

Answer: A,B

Question: 67

Deep Dumps

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 suggestions
- 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
- D. Describe the project's architecture → Use the copilot generate command → Accept the generated suggestions

Answer: C

Question: 68

Deep Dumps

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

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

Answer: D

Question: 69

Deep Dumps

Which of the following prompts can be used to guide GitHub Copilot Chat in refactoring code for quality improvements? (Each correct answer presents part of the solution. Choose two.)

- A. "Refactor my application to meet the latest coding standards."
- B. "Suggest ways to enhance the maintainability of this code segment."

- C. "Show me how to improve the readability of this function."
- D. "Predict future coding trends and update my codebase accordingly."

Answer: B,C

Question: 70

Deep Dumps

How does GitHub Copilot suggest code optimizations for improved performance?

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

Answer: D

Question: 71

Deep Dumps

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

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

Answer: A,B,D

Question: 72

Deep Dumps

What is the best way to share feedback about GitHub Copilot Chat with GitHub?

- A. By tweeting at GitHub's official X (previously known as Twitter) account.
- B. Use the emojis in the Copilot Chat interface.
- C. The Settings menu in the GitHub Mobile app.
- D. The feedback section on the GitHub website.

Answer: B

Question: 73

Deep Dumps

How does GitHub Copilot Enterprise assist in code reviews during the pull request process? (Choose two.)

- A. It automatically merges pull requests after an automated review.
- B. It generates a prose summary and a bulleted list of key changes for pull requests
- C. It can validate the accuracy of the changes in the pull request.

D. It can answer questions about the changeset of the pull request

Answer: B,D

Question: 74

Deep Dumps

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

Question: 75

Deep Dumps

How can you get multiple suggestions from GitHub Copilot?

- A. By asking for multiple suggestions using comments in your code
- B. By using @workspace in the chat window
- C. By using the inline chat functionality with the command/multiple
- D. By opening the completions panel in your editor

Answer: D

Question: 76

Deep Dumps

Which of the following is correct about GitHub Copilot Knowledge Bases?

- A. All file types are indexed
- B. Indexing is static
- C. It is an Enterprise feature
- D. All repos are indexed

Answer: C

Question: 77

Deep Dumps

What is a benefit of using custom models in GitHub Copilot?

- A. Responses use the organization's LLM engine
- B. Responses are guaranteed to be correct
- C. Responses use practices and patterns in your repositories
- D. Responses are faster to produce and appear sooner

Answer: C

Question: 78

Deep Dumps

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

Question: 79

Deep Dumps

How can GitHub Copilot assist with code refactoring tasks?

- A. GitHub Copilot can automatically rewrite code to follow best practices.
- B. GitHub Copilot can suggest refactoring improvements for better code quality.
- C. GitHub Copilot can fix syntax errors without user input.
- D. GitHub Copilot can remove unnecessary files from the project directory.

Answer: B

Question: 80

Deep Dumps

Which of the following 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. Use the Code tab in the GitHub repository
- C. Use the Audit log section in the organization's GitHub settings
- D. Navigate to the Insights tab in the repository settings

Answer: C

Question: 81

Deep Dumps

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

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

Answer: D

Question: 82

Deep Dumps

How can you get multiple suggestions from GitHub Copilot?

- A. By using the inline chat functionality with the command/multiple
- B. By opening the completions panel in your editor
- C. By asking for multiple suggestions using comments in your code
- D. By using @workspace in the chat window

Answer: B

Question: 83

Deep Dumps

What is a limitation of content exclusions?

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

Answer: D

Question: 84

Deep Dumps

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

- A. GitHub Copilot Enterprise
- B. GitHub Copilot Individual
- C. GitHub Copilot Professional
- D. GitHub Copilot Business

Answer: A

Question: 85

Deep Dumps

Which of the following describes role prompting?

- A. Tell GitHub Copilot in what tone of voice it should respond
- B. Describing in your prompt what your role is to get a better suggestion
- C. Prompt GitHub Copilot to explain what was the role of a suggestion
- D. Giving GitHub Copilot multiple examples of the form of the data you want to use

Answer: B

Question: 86**Deep Dumps**

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

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

Answer: A**Question: 87****Deep Dumps**

How does GitHub Copilot Chat help in understanding the existing codebase?

- A. By answering questions about the code and generating explanations.
- B. By providing visual diagrams of the code structure.
- C. By running code linters and formatters.
- D. By automatically refactoring code to improve readability.

Answer: A**Question: 88****Deep Dumps**

When can GitHub Copilot still use content that was excluded using content exclusion?

- A. When the repository level settings allow overrides by the user.
- B. If the contents of an excluded file are referenced in code that is not excluded, for example function calls.
- C. When the user prompts with @workspace.
- D. If the content exclusion was configured at the enterprise level, and is overwritten at the organization level.

Answer: B,C**Question: 89****Deep Dumps**

What is the best way to share feedback about GitHub Copilot Chat when using it on GitHub Mobile?

- A. By tweeting at GitHub's official X (previously known as Twitter) account.
- B. The Settings menu in the GitHub Mobile app.
- C. Use the emojis in the Copilot Chat interface.
- D. The feedback section on the GitHub website.

Answer: C**Question: 90****Deep Dumps**

What are two techniques that can be used to improve prompts to GitHub Copilot? (Select two.)

- A. Provide insight on where to get the content from to get a response
- B. Provide links to supporting documentation
- C. Provide all information about the utilized files
- D. Provide specific success criteria

Answer: A,D

Question: 91

Deep Dumps

What caution should developers exercise when using GitHub Copilot?

- A. GitHub Copilot's capability to optimize complex mathematical computations.
- B. GitHub Copilot's automatic update of outdated mathematical formulas to modern standards.
- C. GitHub Copilot's reliance on pattern-based responses, without verifying computation accuracy.
- D. GitHub Copilot's ability to execute and verify mathematical results in real-time.

Answer: C

Question: 92

Deep Dumps

What is few-shot prompting?

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

Answer: A

Question: 93

Deep Dumps

What type of information can you retrieve through GitHub Copilot Business Subscriptions via REST API?

- A. Get a summary of GitHub Copilot usage for organization members
- B. View code suggestions for a specific user
- C. List all GitHub Copilot seat assignments for an organization
- D. List of all unsubscribed GitHub Copilot members within an organization

Answer: A

Question: 94

Deep Dumps

How does GitHub Copilot assist developers in minimizing cortex seconed?

- A. GitHub Copilot can completely replace the need for furnan calaramed

- B. GitHub Copilot can automatically handle project management
- C. GitHub Copilot can predict and prevent bugs before they occur
- D. GitHub Copilot allows developers to stay in their IDE

Answer: D

Question: 95

Deep Dumps

How does GitHub Copilot utilize chat history to enhance its code completion capabilities?

- A. By sharing chat history with third-party services to improve integration and functionality.
- B. By using chat history to offer personalized code snippets based on previous projects.
- C. By analyzing past chat interactions to identify common programming patterns and intent.
- D. By logging chat history to monitor user activity and ensure compliance with coding standards.

Answer: B

Question: 96

Deep Dumps

How does GitHub Copilot Chat help to fix security issues in your codebase?

- A. By automatically refactoring the entire codebase to remove vulnerabilities.
- B. By providing detailed reports on the security vulnerabilities present in the codebase.
- C. By enforcing strict coding standards that prevent the introduction of vulnerabilities.
- D. By annotating the given suggestions with known vulnerability patterns.

Answer: D

Question: 97

Deep Dumps

What do you check when GitHub Copilot content exclusions are not working?

- A. If the user is in an organization that has content exclusions configured.
- B. If the user is part of the content exclusion team that limits the use of content exclusions.
- C. If GitHub Copilot can connect to the server selected in your user settings.
- D. If the content exclusion settings changed in the last 30 minutes or before that.

Answer: C

Question: 98

Deep Dumps

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.

Answer: C

Question: 99

Deep Dumps

How can GitHub Copilot assist in maintaining consistency across your tests?

- A. By automatically fixing all tests in the code based on the context.
- B. By identifying a pattern in the way you write tests and suggesting similar patterns for new tests.
- C. By writing the implementation code for the function based on context.
- D. By providing documentation references based on industry best practices.

Answer: B

Question: 100

Deep Dumps

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

- A. GitHub Copilot can generate user interface (UI) prototypes without prompting.
- B. GitHub Copilot can manage design team collaboration and version control.
- C. GitHub Copilot can suggest design patterns and best practices based on the project's context and existing codebase.
- D. GitHub Copilot can independently create a complete software design.

Answer: C

Question: 101

Deep Dumps

What role does the pre-processing of user input play in the data flow of GitHub Copilot Chat?

- A. It directly generates a response based on the user's input prompt.
- B. It filters out irrelevant information from the user's input prompt.
- C. It formats the output response before presenting it to the user.
- D. It enriches the input prompt with additional context before passing it to the language model.

Answer: D

Question: 102

Deep Dumps

How does GitHub Copilot identify matching code and ensure that public code is appropriately handled or filtered?

- A. Filtering out suggestions that match code from public repositories.
- B. Using machine learning models trained only on private repositories.
- C. Implementing safeguards to detect and avoid suggesting verbatim snippets from public code.
- D. Reviewing and storing user-specific private repository data for future suggestions.

Answer: C

Question: 103

Deep Dumps

What are the effects of content exclusions? (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: A,B

Question: 104

Deep Dumps

Which principle emphasizes that AI systems should be understandable and provide clear information on how they work?

- A. Fairness
- B. Transparency
- C. Inclusiveness
- D. Accountability

Answer: B

Question: 105

Deep Dumps

What GitHub Copilot feature can be configured at the organization level to prevent GitHub Copilot suggesting publicly available code snippets?

- A. GitHub Copilot Chat in the IDE
- B. GitHub Copilot Chat in GitHub Mobile
- C. GitHub Copilot duplication detection filter
- D. GitHub Copilot access to Bing

Answer: C

Question: 106

Deep Dumps

What are the potential limitations of GitHub Copilot Chat? (Choose two.)

- A. Limited training data
- B. Ability to handle complex code structures
- C. No biases in code suggestions
- D. Extensive support for all programming languages

Answer: A,B

Question: 107**Deep Dumps**

What method can be used to interact with GitHub Copilot?

- A. By using a properly configured GitHub CLI
- B. By using chat capabilities in NeoVim
- C. From a watch window in an IDE debug session
- D. From a web browser at <https://github.copilot.com>

Answer: A,B**Question: 108****Deep Dumps**

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**Question: 109****Deep Dumps**

How can you improve the context used by GitHub Copilot? (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: A,B**Question: 110****Deep Dumps**

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

Question: 111**Deep Dumps**

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

Answer: A**Question: 112****Deep Dumps**

What is a likely effect of GitHub Copilot being trained on commonly used code patterns?

- A. Suggest homogeneous solutions if provided a diverse data set.
- B. Suggest innovative coding solutions that are not yet popular.
- C. Suggest code snippets that reflect the most common practices in the training data.
- D. Suggest completely novel projects, while reducing time on a project.

Answer: C**Question: 113****Deep Dumps**

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**Question: 114****Deep Dumps**

How can the concept of fairness be integrated into the process of operating an AI tool?

- A. Focusing on accessibility will ensure fairness.
- B. Focusing on collecting large datasets for training will ensure fairness.
- C. Regularly monitoring the AI tool's performance will ensure fairness in its outputs.
- D. Training AI data and algorithms to be free from biases will ensure fairness.

Answer: D

Question: 115**Deep Dumps**

What is the correct way to exclude specific files from being used by GitHub Copilot Business during code suggestions?

- A. Modify the .gitignore file to include the specific files.
- B. Add the specific files to a copilot.ignore file.
- C. Use the GitHub Copilot settings in the user interface to exclude files.
- D. Rename the files to include the suffix _no_copilot.

Answer: C**Question: 116****Deep Dumps**

Why might a Generative AI (Gen AI) tool create inaccurate outputs?

- A. The Gen AI tool is overloaded with too many requests at once.
- B. The Gen AI tool is experiencing downtime and is not fully recovered.
- C. The Gen AI tool is programmed with a focus on creativity over factual accuracy.
- D. The training data might contain biases or inconsistencies.

Answer: D**Question: 117****Deep Dumps**

What content can be configured to be excluded with content exclusions? (Choose three.)

- A. Lines in files
- B. Files
- C. Folders
- D. Repositories
- E. Gists

Answer: B,C,D**Question: 118****Deep Dumps**

How does the /tests slash command assist developers?

- A. Constructs detailed test documentation.
- B. Creates unit tests for the selected code.
- C. Integrates with external testing frameworks.
- D. Executes test cases to find issues with the code.

Answer: B

Question: 119**Deep Dumps**

How long does it take content exclusion to add or be updated?

- A. Up to 30 minutes
- B. 45 - 60 minutes
- C. 60 - 90 minutes
- D. 24 hours

Answer: A**Question: 120****Deep Dumps**

Which of the following is correct about GitHub Copilot Knowledge Bases?

- A. All repos are indexed
- B. Indexing is static
- C. It is an Enterprise feature
- D. All file types are indexed

Answer: C**Question: 121****Deep Dumps**

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**Question: 122****Deep Dumps**

Where is the proxy service hosted?

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

Answer: C**Question: 123****Deep Dumps**

What is zero-shot prompting?

- A. Giving as little context to GitHub Copilot as possible
- B. Telling GitHub Copilot it needs to show only the correct answer
- C. Only giving GitHub Copilot a question as a prompt and no examples
- D. Giving GitHub Copilot examples of the problem you want to solve
- E. Giving GitHub Copilot examples of the algorithm and outcome you want to use

Answer: C

Question: 124

Deep Dumps

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

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

Answer: B

Question: 125

Deep Dumps

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: A,E

Question: 126

Deep Dumps

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

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

Answer: B

Question: 127

Deep Dumps

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

Question: 128

Deep Dumps

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

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

Answer: A

Question: 129

Deep Dumps

What is a key benefit of using GitHub Copilot within a team environment?

- A. Automatically merges all team pull requests
- B. Encourages code consistency by offering similar suggestions to team members
- C. Generates team standup notes
- D. Replaces the need for any code review process

Answer: B

Thank you

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