Vendor: Microsoft

Exam Code: GH-900

Exam Name: GitHub Foundations

Version: DEMO

QUESTION 1
Which of the following statements most accurately describes who can access a private repository Wiki?

A. Wikis are only viewable by repository admins.
B. Wikis can be viewed by the same people who have Read access to the repository.
C. Wikis will not be visible until shared with a specific user.
D. Wikis are public regardless of whether you have access to the repository.

Answer: B
Explanation:
For private repositories on GitHub, the Wiki is accessible to anyone who has Read access to the repository. This means that if you can view the code and files in the repository, you can also view its Wiki. This makes Wikis a useful tool for documenting projects in a way that is available to all collaborators without requiring special permissions beyond those needed to access the repository itself.

QUESTION 2
What qualifier finds issues that mention a certain user?

A. mentions:
B. Smentioned:
C. mentioned:
D. threads:

Answer: A
Explanation:
The qualifier mentions: is used in GitHub's search functionality to find issues that mention a certain user. For example, if you want to find all issues where a specific user is mentioned, you would use mentions:username. This helps in tracking where a user has been involved in discussions across issues or pull requests.

QUESTION 3
Pull requests can only be created between two branches that are:

A. Authored by the same user.
B. Authored by different users.
C. The same.
D. Different.

Answer: D
Explanation:
Pull requests are created to propose changes from one branch to another. These branches must be different; otherwise, there would be no changes to propose. Typically, pull requests are made from a feature or topic branch to a main branch (such as main or master), allowing for code review and integration before the changes are merged.

QUESTION 4
What are three valid states for a file in a git repository?

(Each correct answer presents part of the solution. Choose three.)

A. Committed
B. Modified
C. Uncommitted
D. Staged
E. Tracked

Answer: ABD
Explanation:
In a Git repository, a file can be in one of the following three valid states:

Committed: The file is saved in the local repository. It is part of the permanent history of the project.

Modified: The file has been changed but not yet staged or committed. It is in the working directory.

Staged: The file has been marked to be included in the next commit. It is in the staging area, ready to be committed.

These states represent the typical lifecycle of a file as it moves through the process of being edited, reviewed, and saved in Git.

QUESTION 5
What is the primary purpose of creating a security policy in a repository?

A. To ensure that peer code review occurs before new changes are merged
B. To define which types of secrets are blocked with push protection
C. To describe how security vulnerabilities should be responsibly disclosed
D. To customize the repository's Dependabot configuration

Answer: C
Explanation:
The primary purpose of creating a security policy in a GitHub repository is to guide users and contributors on how to report security vulnerabilities in a responsible and secure manner. This policy outlines the preferred method of communication, timelines, and any other pertinent information related to handling security issues.

Security Policy:
Option C is correct because a security policy provides guidelines for responsibly disclosing security vulnerabilities. This helps maintainers respond to and address security concerns promptly and securely, thereby protecting the project and its users.

QUESTION 6
What is GitHub?

A. A proprietary software platform for nurturing creativity in developers and building a technology community
B. A cloud-based hosting service for version control and collaboration, focused on creating a safe and collaborative environment for developers
C. A platform that focuses on facilitating the growth and sharing of code, specifically designed for new developers to hone their skills

D. A centralized version control system designed for nurturing a community of developers and providing access to open source projects

Answer: B
Explanation:
GitHub is a cloud-based platform that provides hosting for software development and version control using Git. It offers tools for collaboration, project management, and security to create a safe and productive environment for developers.

GitHub Overview:
Option B is correct because GitHub is primarily known as a cloud-based hosting service for Git repositories, offering a collaborative environment where developers can work together on projects, manage version control, and implement security practices.

QUESTION 7
Which of the following can be performed within GitHub Desktop?

A. Creating and managing issues
B. Reviewing and approving pull requests
C. Adding and cloning repositories
D. Commenting on discussions
E. Integrating with office suite software

Answer: C
Explanation:
GitHub Desktop is a graphical interface that allows users to interact with GitHub repositories. It simplifies certain Git operations without the need for command-line usage.

GitHub Desktop Capabilities:
Option C is correct because GitHub Desktop allows users to add local repositories to their GitHub account, clone repositories from GitHub to their local machine, and manage repositories effectively.

QUESTION 8
When using Organizations, GitHub Teams is better than GitHub Free because it offers:

A. Advanced tools and insights in private repositories.
B. Authentication with SAML single sign-on and increased GitHub Actions minutes.
C. Expanded storage and priority support.
D. Increased GitHub Actions minutes and additional GitHub Packages storage.

Answer: B
Explanation:
GitHub Teams, as part of GitHub's paid plans, offers additional features and capabilities compared to GitHub Free, particularly for organizations.

GitHub Teams Benefits:
Option B is correct because GitHub Teams provides advanced security features like SAML single sign- on for secure authentication, as well as increased minutes for running GitHub Actions, which are essential for continuous integration and deployment workflows.

QUESTION 9
Which of the following best describes GitHub Copilot?

A. A Visual Studio Code extension for developing AI solutions
B. An AI tool designed to replace software developers
C. An AI pair programmer that offers autocomplete-style suggestions
D. An advanced search tool to intelligently reuse existing code in your projects

Answer: C
Explanation:
GitHub Copilot is described as an AI pair programmer that offers autocomplete-style suggestions. It is a tool integrated into development environments like Visual Studio Code that helps developers by providing code suggestions as they type. Copilot can suggest entire lines or blocks of code based on the context of what you're writing, making it a valuable assistant in coding, but not a replacement for developers.

QUESTION 10
Where can you go to discover, browse, and install tools?

A. GitHub Marketplace
B. GitHub Apps
C. Organization settings
D. Explore

Answer: A
Explanation:
The GitHub Marketplace is the place where users can discover, browse, and install various tools and integrations that extend the functionality of GitHub. These tools can include CI/CD services, security checks, and other development utilities that enhance workflow automation and project management.

QUESTION 11
How can a user choose to receive ongoing updates about a specific activity on GitHub.com?

A. By automatically watching all repositories you have push access to
B. By upgrading from a free to a paid account
C. By subscribing to notifications for all activity in a repository
D. By customizing the types of notifications you will receive in the future

Answer: C
Explanation:
On GitHub, you can choose to receive ongoing updates about specific activities by subscribing to notifications for all activity in a repository. This allows you to stay informed about all changes, discussions, and updates related to a particular project. Additionally, GitHub provides the ability to customize notifications to suit your preferences.

QUESTION 12
Which of the following items can you customize for an individual Codespace?

(Each answer presents a complete solution. Choose three.)

A. Shell
B. Branch protections
C. Name
D. Default editor
E. Operating system

Answer: ACD
Explanation:
When using GitHub Codespaces, you can customize several aspects of the development environment:

Shell: You can choose the default shell to be used in the Codespace, such as Bash, Zsh, or PowerShell.

Name: Users can customize the name of their Codespace for easier identification.

Default editor: You can choose which editor to use within the Codespace, such as Visual Studio Code or others that may be supported.

Branch protections and the operating system are not customizable for an individual Codespace within GitHub, making the options Shell, Name, and Default editor the correct answers.

QUESTION 13
What is a gist?

A. GitHub app
B. Git repository
C. Markdown document
D. GitHub Pages site

Answer: B
Explanation:
A gist on GitHub is essentially a Git repository, albeit a simplified one, designed for sharing snippets of code, notes, or other text content. Gists support version control and can be public or secret.

Gist as a Git Repository:
Option B is correct because each gist is a Git repository, meaning you can clone it, commit changes, and even fork it, just like any other Git repository.

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