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Question 1

Question Type: MultipleChoice

Where should a repository admin navigate to view pre-built visualizations from repository data?

Options:

- A- Settings
- B- Issues
- C- Insights
- D- Charts

Answer:

C

Explanation:

GitHub provides repository admins with a feature called 'Insights' where they can view various pre-built visualizations and analytics related to the repository.

Insights:

Option C is correct because the 'Insights' tab in a GitHub repository offers various pre-built visualizations, including contributions, traffic, code frequency, dependency graphs, and more. This helps admins and maintainers track the project's activity and health.

Other Options:

Option A (Settings) is incorrect because the Settings tab is where you configure repository settings, permissions, and integrations, but it does not provide visualizations of repository data.

Option B (Issues) is incorrect because the Issues tab is used for tracking bugs, enhancements, and other tasks but does not provide data visualizations.

Option D (Charts) is incorrect as there is no 'Charts' tab or section in GitHub. The correct location for data visualizations is under 'Insights.'

[GitHub Docs: Viewing Repository Insights](#)

Question 2

Question Type: MultipleChoice

From the Organization settings, which restrictions can organization owners place on GitHub Actions usage?

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

Options:

- A- Allow actions that use self-hosted runners.
- B- Allow an action to be run from a Codespace.
- C- Allow specified actions.
- D- Allow actions by Marketplace verified creators.
- E- Allow actions created by GitHub.

Answer:

A, C, D

Explanation:

Organization owners on GitHub have control over how GitHub Actions can be used within their organization. They can enforce restrictions to ensure security and compliance with organizational policies.

Allow Actions That Use Self-Hosted Runners:

Option A is correct because organization owners can configure the usage of self-hosted runners, allowing greater control over the environment where actions are run.

Allow Specified Actions:

Option C is correct because organization owners can allow only specific actions to run, adding a layer of security by limiting actions to those that have been vetted.

Allow Actions by Marketplace Verified Creators:

Option D is correct because organization owners can choose to allow actions created by GitHub Marketplace verified creators, ensuring that only trusted actions are used.

Incorrect Options:

Option B is incorrect because GitHub Actions are not designed to be run directly from a Codespace; Codespaces are for development environments.

Option E is a valid choice, but since the prompt asks for only three answers, it is not included in this response.

Question 3

Question Type: MultipleChoice

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

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

Options:

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

Answer:

A, C, D

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 4

Question Type: MultipleChoice

As a GitHub user, where in the UI can you configure two-factor authentication (2FA) to further secure your account?

Options:

- A- Profile -> Account -> 2FA
- B- Repository Settings -> Secrets and Variables -> 2FA
- C- Organization Settings -> Authentication Security -> 2FA
- D- Settings -> Password and Authentication -> 2FA

Answer:

D

Explanation:

As a GitHub user, you can configure two-factor authentication (2FA) to secure your account by navigating to Settings -> Password and Authentication -> 2FA. This section in the GitHub user interface allows you to set up and manage your 2FA methods, which provide an additional layer of security beyond just your password.

Question 5

Question Type: MultipleChoice

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

Options:

- 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.

Incorrect Options:

Option A is incorrect because private repositories and advanced tools are features available, but the key differentiator in this context is the SAML SSO and additional GitHub Actions minutes.

Option C is incorrect because while expanded storage and priority support are valuable, SAML SSO and increased GitHub Actions minutes are more central to the differences between GitHub Free and GitHub Teams.

Option D is partially correct, but since the question asks for the best reason, Option B provides the most critical features that differentiate GitHub Teams from GitHub Free.

[GitHub Docs: About GitHub Teams](#)

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