

Git Quiz - Questions and Answers

Question 1

What is the purpose of the 'git commit' command, and how does it contribute to the version control process?

Answer: The 'git commit' command is used to save the current state of changes in the local repository, creating a snapshot of the code at that point in time and enabling a detailed history of revisions.

Question 2

In the Git repository 'food-scripts,' what command can be used to check the current status of the working tree, including paths with differences between the index file and the current HEAD commit?

Answer: git status

Question 3

What command would you use to create a patch file that represents the changes between the current working directory and the latest commit?

Answer: git diff > changes.patch

Question 4

When collaborating with a team on a Git project, what is the main purpose of a remote repository?

Answer: To function as a central repository where all team members can push and pull changes.

Question 5

Which of the following statements are true about merging in Git?

- Answer:** ■ Merging cannot be performed on detached HEAD.
■ Merged changes can be undone using the git revert command.
■ Conflicts may occur during merging.

Question 6

Which Git command is used to create a new branch in a Git repository?

Answer: git branch

Question 7

In a Git repository, what is the purpose of creating and using branches?

Answer: To isolate and work on new features, fixes, or experiments separately from the main codebase.

Question 8

In the lab's Git operation, what does the 'git merge improve-output' command achieve?

Answer: It combines the changes from the improve-output branch into the master branch.

Question 9

What is the primary purpose of merging a branch back into the main branch in a Git repository?

Answer: To combine the changes from the branch into the main codebase.

Question 10

In Git, what is the primary purpose of creating a new branch?

Answer: To isolate experimental changes from the main codebase.