

Quiz

Score: 14/14



1. What is the command to create a new branch in Git?

 git branch git new-branch git create-branch git branch-create

Explanation

The 'git branch' command is used to create a new branch in Git. After creating a new branch, you can switch to the new branch using the 'git checkout' command.



2. What does 'git pull' command do?

 Update local repository with changes from the remote repository Create a new branch Push changes to the remote repository Merge branches locally

Explanation

'git pull' is used to fetch and download content from a remote repository and immediately update the local repository to match that content.



3. What does 'git commit' do?

 Record changes to the repository Stage files for commit Push changes to a remote repository

Explanation

'git commit' is used to record the changes made to the files in the local repository.

Merge branches

✓

4. What is a 'merge conflict' in Git?

A conflict that arises when merging branches

A conflict that occurs during a git clone

A conflict related to setting up remote repositories

A conflict with git push command

Explanation

A merge conflict occurs when Git is unable to automatically resolve differences in code between two commits. The conflict must be manually resolved by the user.

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5. Which command is used to apply and review patches in Git?

git apply

git patch

git patch apply

git patch review

Explanation

The 'git apply' command is used to apply and review patches in Git. It reads the patch from the standard input or from the file specified and applies those to the current working directory.

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6. What is the purpose of the command 'git reset --hard'?

Discard all changes and reset to the state of the last commit

Undo the last commit

Reset the remote repository

Move the HEAD to a specific commit

Explanation

The 'git reset --hard' command is used to reset the index and the working directory to the state of the last commit and discard all changes in the working directory and staged area.

7. What does 'git remote -v' show?

List all remote repositories and their URLs

Verify the status of the remote repository

View the commit history of the remote repository

Change the URL of the remote repository

Explanation

The 'git remote -v' command displays the list of remote repositories and their URLs configured for the local repository. It helps to view the names and URLs of remote repositories.

8. What does 'git rebase' command do?

Rearrange commits on the current branch

Merge two branches together

Create a new branch from the current state

Record changes to the repository

Explanation

'git rebase' is used to change the base commit of a branch, effectively moving the branch to begin on the tip of the specified commit. It can be used to maintain a clean, linear project history.



9. What is the purpose of 'git push -f' command?

Forcefully push the local branch to the remote repository

Pull changes from the remote repository

Create a new branch and push to the remote repository

Undo the last commit in the local repository

Explanation

The 'git push -f' command forcefully pushes the local branch to the remote repository, overwriting changes in the remote repository. It should be used with caution as it can lead to loss of commits in the remote repository.



10. In Git, what is a 'fast-forward' merge?

A merge where no new commit is created

A merge that requires manual conflict resolution

A merge involving multiple branches

A merge that reverts the changes in the repository

Explanation

A fast-forward merge occurs when the current branch can be directly moved to the tip of the merging branch without any conflicts, resulting in a linear history.



11. What is the purpose of 'git stash' command?

Temporarily store changes that you don't want to commit immediately

Permanently delete uncommitted changes

Create a new branch

Explanation

The 'git stash' command saves your local modifications and sets the working directory to match the HEAD commit. It allows you to switch to other branches without committing the current changes.

Push changes to a remote repository

12. How can you delete a remote branch in Git?

git push origin --delete

git branch --delete

git remote --delete

git delete-remote-branch

Explanation

The 'git push origin --delete <branch_name>' command is used to delete a remote branch in Git.

13. What is the purpose of the .gitignore file in a Git repository?

Specify files and directories to be ignored

Include all files in the repository

Track changes in ignored files

Delete untracked files

Explanation

The .gitignore file is used to specify intentionally untracked files to ignore. This helps prevent unnecessary files from being included in the repository.

14. What does 'git log' command display?

Commit history of the current branch

List of all branches in the repository

Files changed in the last commit

Display the status of the working directory

Explanation

'git log' displays the commit history of the current branch, including the author, date, and commit message for each commit.