

Github:All Topics

Score: 11/12

1. What is Git?

A tool for building websites

A distributed version control system

A graphic design software

A programming language

Explanation

Git is a distributed version control system that allows multiple developers to collaborate on the same project. It tracks changes in the code and allows users to revert to previous versions if needed.



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

git checkout -b

git create branch

git branch

git newbranch

Explanation

The command to create a new branch in Git is 'git branch <branchname>'.



3. What is a 'pull request' in GitHub?

A request to merge changes from one branch to another

A request to delete a repository

A request to create a new repository

A request to edit a commit message

Explanation

A pull request is a feature that lets users inform others about changes they've pushed to a repository. Once a pull request is opened, it allows other developers to review the changes and discuss any potential modifications to the code.



4. What command is used to stage files for a commit in Git?

git save

git commit

git stage

git add

Explanation

The 'git add' command is used to stage files for a commit in Git.



5. What is the purpose of the 'git clone' command?

To delete a local repository

To create a new local repository

Explanation

The 'git clone' command is used to create a copy of a remote repository locally. It allows users to start working on an

To create a copy of a remote repository locally

To push changes to a remote repository

existing project or contribute to an open-source project.

6. What does the .gitignore file do in a Git repository?

Track all files in the repository

Delete all files in the repository

Specify files that Git should ignore

Merge conflicting files

Explanation

The .gitignore file is used to specify intentionally untracked files that Git should ignore. It allows users to avoid committing files like temporary build files or system-specific configuration files.

7. What is the purpose of 'git pull'?

To create a new branch

To delete a branch

To fetch the latest changes from the remote repository

To revert to a previous commit

Explanation

The 'git pull' command is used to fetch the latest changes from the remote repository and integrate them into the current branch. It is a combination of 'git fetch' and 'git merge'.



8. What is a 'fork' in the context of GitHub?

A copy of a repository that allows experimentation

A request to delete a repository

A request to merge changes from one branch to another

A request to create a new repository

Explanation

A fork is a copy of a repository that allows users to freely experiment with changes without affecting the original project. It enables collaboration and contribution to open-source projects.



9. What is the purpose of 'git push'?

To pull the latest changes from the remote repository

To push the committed changes to a remote repository

To delete the local repository

To create a new branch

Explanation

The 'git push' command is used to push the committed changes in a local repository to a remote repository. It is essential for sharing code and collaborating with other developers.



10. What is the purpose of the 'git log' command?

To display the commit history of a repository

Explanation

To delete the commit history of a repository

To create a new commit

To revert to a previous commit

The 'git log' command is used to display the commit history of a repository. It shows the author, date, and commit message of each commit, allowing users to track the changes in the project.



11. What does the command 'git reset --hard HEAD' do?

Creates a new commit

Resets the index and working directory to the last commit

Deletes the entire commit history

Reverts to a previous commit

Explanation

The 'git reset --hard HEAD' command resets the index and working directory to the state of the last commit. It discards all changes and reverts the repository to the last committed state.



12. What is the purpose of 'git remote'?

To manage remote repositories

To create a new remote repository

To clone a remote repository

To delete a remote repository

Explanation

'git remote' is a command used to manage remote repositories. It allows users to view, add, and remove connections to other repositories.