

Assignment

Q.1 How to check if git is available on your system?

Ans.1 You can check whether Git is installed and what version you are using by opening up a terminal window in Linux or Mac, or a command prompt window in Windows, and typing the following command: `git --version`.

Q.2 How to initialize a new git repository?

Ans.2 Create a new repository on GitHub.com.

1. Open Terminal Git Bash.
2. Change the current working directory to your local project.
3. Use the `init` command to initialize the local directory as a Git repository. ...
4. Add the files in your new local repository. ...
5. Commit the files that you've staged in your local repository.

Q.3 How to tell git about your name and email?

Ans.3 1. The Username :- `git config --global user.name "<your_username>"`

2. The Email :- `git config --global user.email "<your_email>"`

Q.4 How to make a Commit ?

Ans.4 To add a Git commit message to your commit, you will use the **git commit command followed by the -m flag and then your message in quotes**. Adding a Git commit message should look something like this: `git commit -m`

Q.5 How to send your changes to a remote repository?

Ans.5 To push the commit from the local repo to your remote repositories, run **git push -u remote-name branch-name** where remote-name is the nickname the local repo uses for the remote repositories and branch-name is the name of the branch to push to the repository. You only have to use the -u option the first time you push.

Q.6 What is the difference between clone and pull?

Ans.6 `git clone` is how you get a local copy of an existing repository to work on. `git pull` (or `git fetch + git merge`) is how you update that local copy with new commits from the remote repository

Q.7 How to add a file to the staging area?

Ans.7 Add files to the staging area by using the "`git add`" command and passing necessary options. Commit files to the local repository using the "`git commit -m <message>`" command

Q.8 How to remove a file from the staging area?

Ans.8 I made changes to some of my files in my local repo, and then I did git add -A which I think added too many files to the staging area. How can I delete all the files from the staging area?