

Git and Github Assignment 2.

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

→ git version 2.39.1.windows.1.

2. How to initialize a new git repository?

→ 1. Open terminal

2. Run command 'git init'

3. This will initialize a new git repository in the current directory

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

→ git config --global user.name "yourname"
git config --global user.email "your.email@example.com"

4. How to add a file to the staging area?

→ To add a file to the git staging area, use the following command:

git add <file>

Replace '<file>' with the name of the file you want to add. you can also add all the changes in the current directory by using the following command:

git add .

The 'git add' command stages the changes you have made to the file(s) and prepares them to be committed to the repository.

5. How to remove a file from the staging area?

→ To remove a file from the git staging area, use the following command.
`git reset HEAD <File>`

6. How to make a commit?

→ To make a git commit these steps:

1. Stage your changes by using the 'git add' command.

2. Run the following command to commit your changes:

`git commit -m "commit message".`

7. ~~Q~~ How to send your changes to a remote repository?

→ To send your changes to a remote repository, you first need to add a remote repository to your local repository using the following command
`git remote add origin <repository-url>`
`git push -u origin <branch-name>`

8. What is the difference between clone and pull?

→ 'git clone' is command used to download a copy of a remote repository to your local machine. It creates a local copy of the repository, including all its history and branches.

'git Pull' is a command used to retrieve updates from a remote repository and merges them into your local ~~branch~~ repository. It fetches the changes from the remote repository and merges them into your local branch.