Git and Github Part- 2

Assignment Questions

Assignment Questions

**Q1.How to check git is available in your system?**

=>To check whether or not you have git installed, simply open a terminal window and type "git --version".

**Q2:How to initialize a new git repository?**

=>To create a new repo, you'll use the git init command. git init is a one-time command you use during the initial setup of a new repo.

**Q3.How to tell git about your name and email?**

=>To set the username and email

> git config --global user.name "Dipayan Rana"

> git config --global user.email "dipayanrana@gmail.com"

**Global**

it indicates the user can work with git commands from different drives of the computer.

**Note:**

To display the location of git configuration holded by git software git config --list --show-origin

**Q4. How to add a file to the staging area?**

=>To send the code from workspace to stage area we use the following command

**syntax :** git add <file-name>

If we want to push all the files from workspace to stage area,we use the following command. syntax: git add .

git add --a

**Q5. How to remove a file from the staging area?**

=>To un stage the files from staged area to workspace,using the following command

**syntax:** git rm --cached <file-name>

**Q6. How to make a commit?**

=>The files which are ready for commit should be in stage area, to perform commit operation we use the following command

**syntax:** git commit -m <some-messages>

eg1. git commit -m "first commit" //This file commit all the files present in stage area

eg2. git commit -m "second commit" filename //This will commit only that file into local repository

**Q7. How to send your changes to a remote repository?**

=>The files which are ready for commit should be in stage area, to perform commit operation we use the following command

**syntax:** git commit -m <some-messages>

eg1. git commit -m "first commit" //This file commit all the files present in stage area

eg2. git commit -m "second commit" filename //This will commit only that file into local repository

Steps followed to create a remote repository and push it to remote repositor open github.com by providing the credentialP

create a new repository and enter some name(repository name) and click on create repository

To perform push operation we need to use the following command git branch -M main

git remote add origin https://github.com/dipayanrana/file.git git push -u origin main

**Q8. What is the difference between clone and pull?**

=>**git pull**

It is used to fetch the latest changes made in the remote repository to the working directory.

**syntax:** git pull

**git clone**

It is used to clone the repository to the working directory of the developer.

**syntax:** git clone <url>