* Github Assignment -2 *

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

Ans:

* Open a Command prompt on terminal window depending on your operating system.

* Type the following Command and press Enter
  git --version on git version

this Command will display the Version of Git installed on your System, If it is available.

* If Git is not installed, you will see an Error Message indicating that the Command is not Recognized.

If Git is not not installed, you will need to install it before being able to use it Git can be downloaded and installed from official Git website (https://git-scm.com/downloads)

Q.2 How to initialize a new repository?

Ans2: Steps followed to create a remote
repository and push it to remote repository

* Open github.com by providing the creden
-tials.

* 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/
                        Ajayjava/workspace.git
    git push -u origin Main

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

Ans3: following are command which are used
to tell git about your name and email.

    > git config --global user.name = "Ajay"
    > git config --global user.email = "Ajayjava993@g
                                    mail.com"

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

Ans4 following are the command which are
used to add a file to the staging area

Ans 4: 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 the work-space to stage area, we use the following command.

Syntax: git add .
git add --a

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

Ans 5: It is also possible to unstage the files from the staged area to workspace, using the following command.

Syntax: git rm --cached <file-Name>

Q.6 How to make a commit?

Ans 6 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-Message>

Ex-1 git commit -m "first commit"
// This file commit all the files present in stage area

EX-2 git Commit -M "Second Commit" filename
// This will commit only that file into local
repository

Q.7 How to Send your changes to remote
repository?

Ans.7
To Send changes to a remote reposito
-ry, you typically fallow these steps.

※ **Check the Status of your local Repository** ※

using Command git status

Comman which are used to push Repository
(1) git add.
(2) git Commit -M "first Commit"
(3) git branch -M main
(4) git remote add origin url
Q.8 what is the difference b/w clone
and pull.
(5.) git push -u origin main

To Change Repository

(1) git pull
after using this Command then we
modify or changes in program.

then push on Repository using all Command.

Q.8 what is the difference between Clone and pull?

Ans.8 Difference between pull and Clone

(i) git pull ⟹ it is used to fetch the latest changes made in the remote repository to the working directory.
∴ Syntax: git pull

(ii) git clone ⟹ It is used to clone the repository to the working directory of the developer.

         Syntax: git clone<url>