

# Git And GitHub-Assignment

**Question 1: -How to check if Git is available on your system?**

**Ans: -**We can check whether Git is available on our computer then open the Git-Bash terminal window and search here **Git –Version command**.

**Question 2: - How to initialize a new Git repository?**

**Ans:-** First create a folder for this repository on our local hard disk. Then open git-bash terminal and goto this folder using command.

**Example:-**

```
Smile@DESKTOP-AMAEV25 MINGW64 /f/pwskill2/java .
```

```
$ git init.
```

```
Smile@DESKTOP-AMAEV25 MINGW64 /f/pwskill2/java (master)
```

```
$ git add .(all files)
```

```
$git commit -n "some data commit ".
```

**Question 3:-How to tell git about your name and email?**

**Ans:-**This is the most important command to tell our user name and email to git.

```
$ git config –global user.name "vikashrajput123".
```

```
$ git config –global user.email "vikashchbca@gmail.com".
```

**Question 4:-How to add a file to the stage area?**

**Ans: -**If we want to add a file to stage area this the command to add a file to the working area to stage area.

```
$Smile@DESKTOP-AMAEV25 MINGW64 /f/pwskill2/java .
```

```
$ git init.
```

```
$git add.(file)
```

**Question 5: -How to remove a file from the staging area?**

**Ans:** -If we want to remove a file from staging area this command user for this .

```
$Smile@DESKTOP-AMAEV25 MINGW64 /f/pwskill2/java .  
$ git restore --staged <file-name>.
```

**Question 6: -How to make a commit ?**

**Ans:** -If we want to commit then we use this command.

```
Smile@DESKTOP-AMAEV25 MINGW64 /f/pwskill2/java (master)  
$ git add .(all files)  
$git commit -n "some data commit ".
```

**Question 7:-How to send your change to a remote repository?**

**Ans:** -If we want to send a file after changes from local repository to remote repository then we use this command.

```
Smile@DESKTOP-AMAEV25 MINGW64 /f/pwskill2/java (master)  
$ git branch -M main  
Smile@DESKTOP-AMAEV25 MINGW64 /f/pwskill2/java (main)  
$ git push Remote-Name(-u) Branch-name(main).
```

**Question 8: -What is the difference between clone and pull?**

**Ans:** -Git clone will create exactly a duplicate copy of your remote repository project in your local machine.It is used only one time when we upload a project for the first time.

Git pull is a basically a (clone+merge) operation and mostly used when we are working as teamwork.When we want to recently change any in the project we can use pull.





