Git and GitHub Part- 2 Assignment

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

Ans. For checking Git is available on system, write command “git version”, if Git will be available in our system then this command will return the version of Git installed in our system.

2. How to initialize a new Git repository?

Ans. For initializing a new Git repository write command “git init”.

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

Ans. Git uses name and email mentioned in Git configuration file so for setting that name and email use following commands:

‘git config --global user.name “Name” ’

‘git config --global user.email “Email-ID” ’

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

Ans. For adding file to the staging area use command ‘git add filename ’.

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

Ans. For removing file from the staging area use command ‘git rm --cached filename ’.

6. How to make a commit?

Ans. After staging a file when it needs to be committed , i.e. needs to be moved to local repository for that use command:

‘git commit -m “suitable message” ’.

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

Ans. First after pulling from remote repository to your system, you will make changes in working area and after all changes are made as per you then move file to staging area from working area using command “git add filename” then to move file from staging area to local repository use command “git commit -m ‘suitable message’ ” then to move file from local repository to remote repository you need to change branch to main using command “git branch -M main” then add location of remote repository using command “git remote add origin ‘URL of repository’ ” then after that push the file using command “git push -u origin main”.

8.What is the difference between clone and pull?

Ans. The difference between clone and pull is that : Clone is used to take copy of entire repository while pull is used to reflect the recent changes which were made in a repository to the local system.