**Assignment 1:** Initialize a new Git repository in a directory of your choice. Add a simple text file to the repository and make the first commit.

1.Firstly I redirected to the path where I have created my file/Folder

**C:\Users\shiri\Documents\Practice1>**

**2.**Secondly, iam initializing a new repository

**C:\Users\shiri\Documents\Practice1>git init**

**Initialized empty Git repository in C:/Users/shiri/Documents/Practice1/.git/**

**3.** Then we have to connect this repository to remote so, for that we have use the below command

**git remote add origin https://github.com/PuSh537/Training\_Wipro.git master**

**4.** Now, we can add our files

**git add .**

**5.** We have to do commit by giving any message

**git commit -m "commiting text file"**

**6.** After commiting, we can push the code into the repo

**git push -u origin master/ git push origin master**

**Assignment 2:** Branch Creation and Switching

Create a new branch named 'feature' and switch to it. Make changes in the 'feature' branch and commit them.

We can create a branch by using

**git branch feature**

Switching of a branch from one branch to another branch

**>git checkout feature**

After done with changes add the file for staging and commit

**git add .**

**git commit -m “Changes in feature branch”**

**Assignment 3**: Feature Branches and Hotfixes

Create a 'hotfix' branch to fix an issue in the main code. Merge the 'hotfix' branch into 'main' ensuring that the issue is resolved.

Creating hotfix branch

**git branch hotfix**

After creating hotfix branch we have to swith to that branch

**git checkout hotfix**

After done necessary changes in the files we have to add it and do commit

**git add .**

**git commit -m “hotdix commit”**

Now again we have to switch back to main branch

**git checkout main**

Now we have to merge the hotfix branch into “main” and do commit

**git merge hotfix**

**git commit -m “Issues ressolved”**