

## Assignment – 3(A)

### 1. git --version :

`git --version` is a command that displays the installed Git version, providing information about the Git software currently running on your system.

```
Prasanna@LAPTOP-LFE651HT MINGW64 ~ (master)
$ git --version
git version 2.37.2.windows.2
```

### 2. git init :

The `git init` command is used to initialize a new Git repository in the current directory, enabling version control for the project files within that directory.

```
PS D:\Prince\AIML\sem 5\wt\3\part-a> git init
Initialized empty Git repository in D:/Prince/AIML/sem 5/wt/3/part-a/.git/
```

### 3. git add . :

The `git add .` command stages all the changes in the current directory for the next commit, preparing them to be included in the version history.

```
PS D:\Prince\AIML\sem 5\wt\3\part-a> git add .
```

### 4. git status :

The `git status` command provides information about the current state of the Git repository, showing which files are staged, modified, or untracked.

```
PS D:\Prince\AIML\sem 5\wt\3\part-a> git status
On branch master

No commits yet

Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
        new file:   file1.txt
```

### 5. git remote add origin "link of your github repository" :

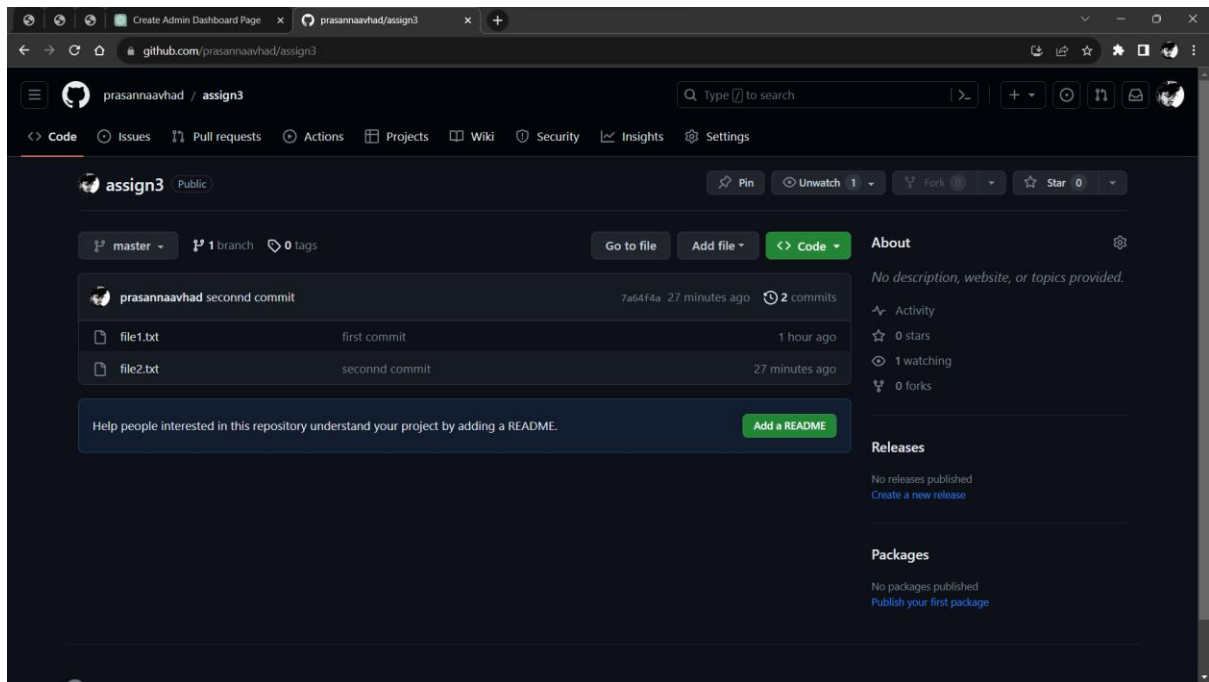
`git remote add origin "link"` links your local Git repo to a GitHub repo, enabling push and pull actions between them, typically with "origin" as the remote name.

```
PS D:\Prince\AIML\sem 5\wt\3\part-a> git remote add origin "https://github.com/prasannaavhad/assign3.git"
```

### 6. git commit -m "any message" :

`git commit -m "any message"` records staged changes in your Git repository with a brief descriptive message, creating a new snapshot in the version history.

```
PS D:\Prince\AIML\sem 5\wt\3\part-a> git commit -m "first commit"
```



#### 7. git push -u origin master :

`git push -u origin master` uploads your local "master" branch to the remote repository named "origin," establishing a tracking connection for future interactions.

```
PS D:\Prince\AIML\sem 5\wt\3\part-a> git push -u origin master
info: please complete authentication in your browser...
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Delta compression using up to 12 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 265 bytes | 265.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/prasannaavhad/assign3.git
 * [new branch]      master -> master
branch 'master' set up to track 'origin/master'.
```

#### 8. git status :

Now, check your github repository (refresh the page) whether the file is pushed or not.

```
PS D:\Prince\AIML\sem 5\wt\3\part-a> git status
On branch master
nothing to commit, working tree clean
```