K DEEPAK   **ASSIGNMENT (DAY-6)**

- First we will open the cmd of the local path to the directory where we want to create git repository.
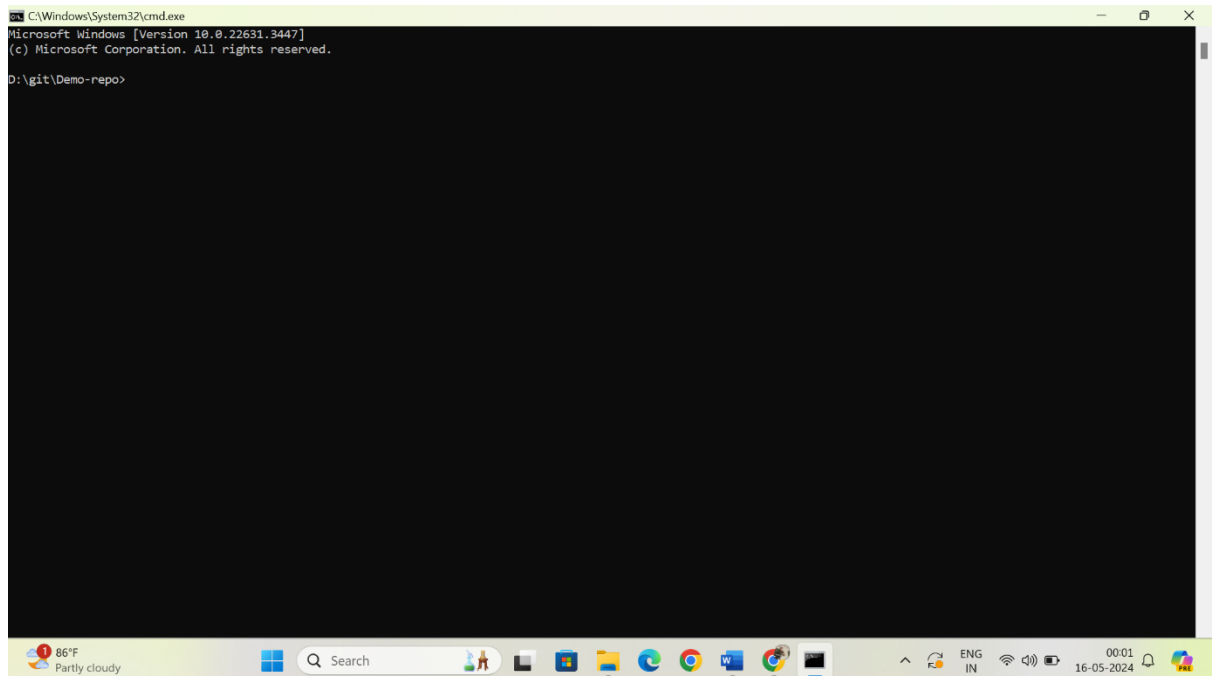
- Here we set the d path of the directory ,where the local repository is available .

- After that we use "**git init**" command to create a new Git repository. This command sets up all the necessary Git files and directories within the current directory.
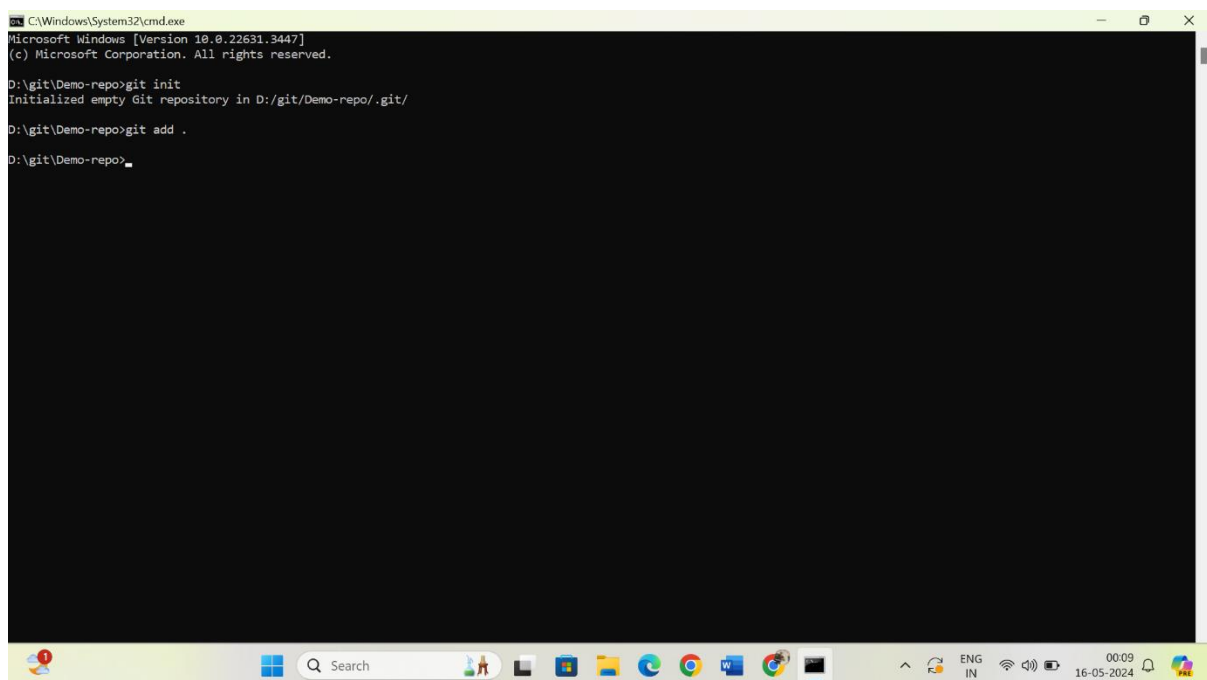
- After we will add the file in repository using "git add ."

- After using " git add ." we type and check the" git status" of the repository status of files available

- Here we finally use "git commit " command to commit the staged changes to the repository. we can include a message summarizing the changes using the "-m" to follow of message

Creating a New Branch:

Here we create a new branch named "**Feature** " using the command "**git branch feature**".

- This command creates a new branch named 'feature' based on the current branch (usually 'main' or 'master')

Switching the branch to feature:

- In this step we use the command of "git checkout feature " to change the branch to master to feature branch.

- In the below image shows the creating branch and switching of branch

```
C:\Windows\System32\cmd.exe

and the repository exists.

D:\git\Demo-repo>git remote add origin https://github.com/KDeepak08/Demo-repo.git

D:\git\Demo-repo>git push origin master
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Writing objects: 100% (3/3), 222 bytes | 222.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/KDeepak08/Demo-repo.git
 * [new branch]      master -> master

D:\git\Demo-repo>git branch feature

D:\git\Demo-repo>git checkout feature
Switched to branch 'feature'

D:\git\Demo-repo>
```
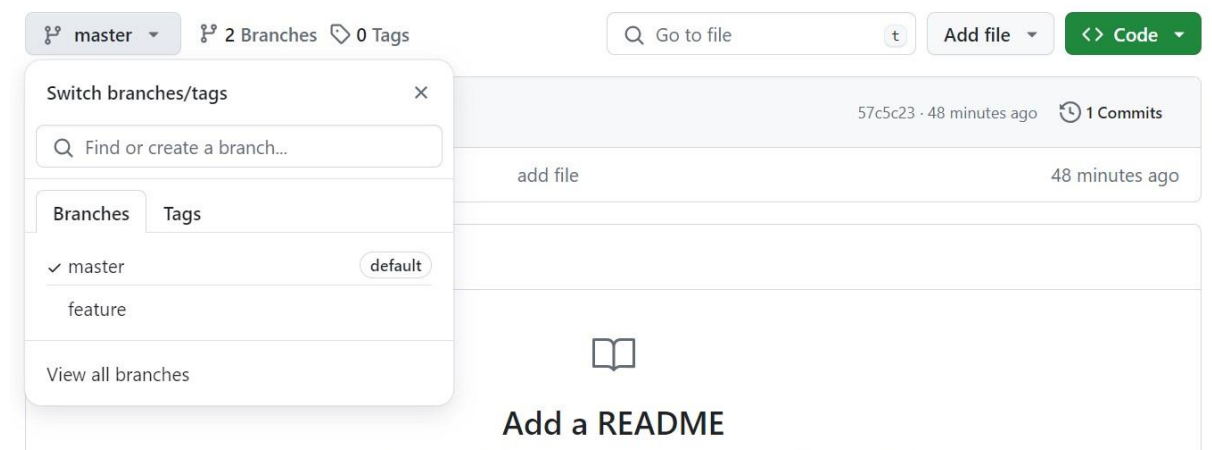
Adding file to feature branch:

We use the command of "git add . " to the add file to changes in the feature.

Commit to the feature branch:

We use the command "git commit -m" changes made in feature " to commit in the feature branch.

- Here we created and shown the the two branches

- After push origin master command which transfers the files to the other branch feature makes an change and will we commit it and it show like Clean.

```
D:\git\Demo-repo>git add .

D:\git\Demo-repo>git  push origin feature
Total 0 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
remote:
remote: Create a pull request for 'feature' on GitHub by visiting:
remote:      https://github.com/KDeepak08/Demo-repo/pull/new/feature
remote:
To https://github.com/KDeepak08/Demo-repo.git
 * [new branch]      feature -> feature

D:\git\Demo-repo>git commit -m"made changes in feature"
On branch feature
nothing to commit, working tree clean

D:\git\Demo-repo>
```

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."

SET THE PATH DIRECTORY:

- Using the cd command setting the correct path to save the file for the git

CREATING AND SWITCHING TO THE HOTFIX BRANCH:

- we Created the new Branch named as "Master".

ADDING A FILE,STATUS,COMMIT:

- adding a text file using "git add ." and checking the status "git status"

- using "git command -m "adding a file " inserting the new file
- after we "git push origin master" to push file in the naster branch"

```
D:\git\hotfix>git add .

D:\git\hotfix>git status
On branch master

No commits yet

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


D:\git\hotfix>git branch

D:\git\hotfix>git commit -m"adding a new file"
[master (root-commit) b4a0aac] adding a new file
 1 file changed, 1 insertion(+)
 create mode 100644 hotfixtext.txt
```

```
error: failed to push some refs to 'https://github.com/KDeepak08/hotfix.git
D:\git\hotfix>git push origin master
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Writing objects: 100% (3/3), 236 bytes | 236.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/KDeepak08/hotfix.git
 * [new branch]      master -> master
```
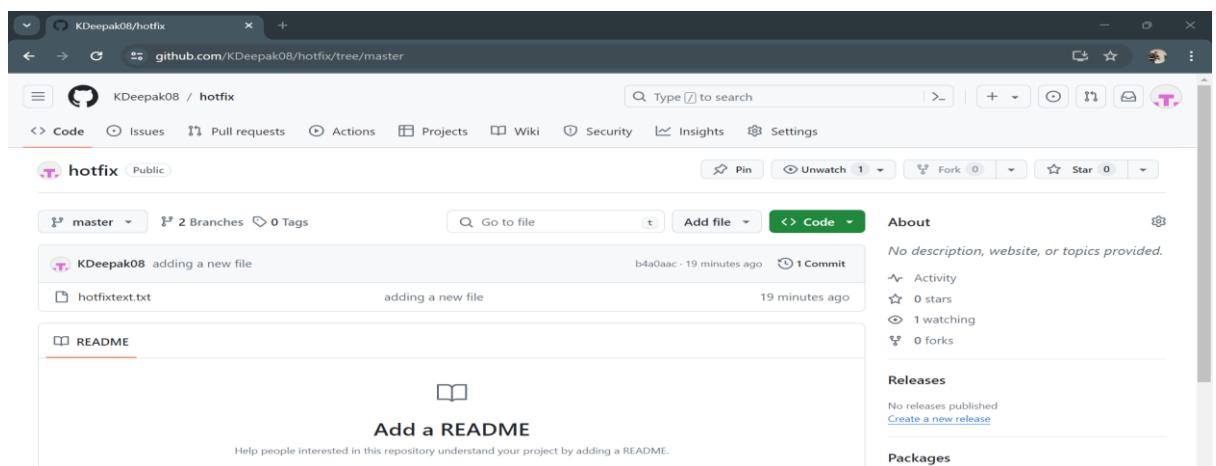
CREATING AN OTHER BRANCH TO MERGE :

- "git checkout -b hotfix" and modification to switch to the master branch

MERGE THE BRANCHES (MASTER AND HOTFIX):

- "git merge hotfix" and push to hotfix.

- Below attaching the picture of the two repositorys of the merge

github.com/KDeepak08/hotfix/tree/hotfix

KDeepak08 / hotfix

Type / to search

<> Code ⊙ Issues ⑂ Pull requests ⊙ Actions ⊞ Projects ▭ Wiki ⊘ Security ⌁ Insights ⚙ Settings

hotfix Public

⊘ Pin 👁 Unwatch 1 ▾ ⑂ Fork 0 ▾ ☆ Star 0 ▾

⑂ hotfix ▾ ⑂ 2 Branches ⊘ 0 Tags

Go to file

Add file ▾ <> Code ▾

This branch is up to date with `master` .

⑂ Contribute ▾

KDeepak08 adding a new file

b4a0aac · 20 minutes ago ⊙ 1 Commit

hotfixtext.txt adding a new file 20 minutes ago

▭ README

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No description, website, or topics provided.

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☆ 0 stars

👁 1 watching

⑂ 0 forks

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