

Md Yaseen

Day 5 Assignment

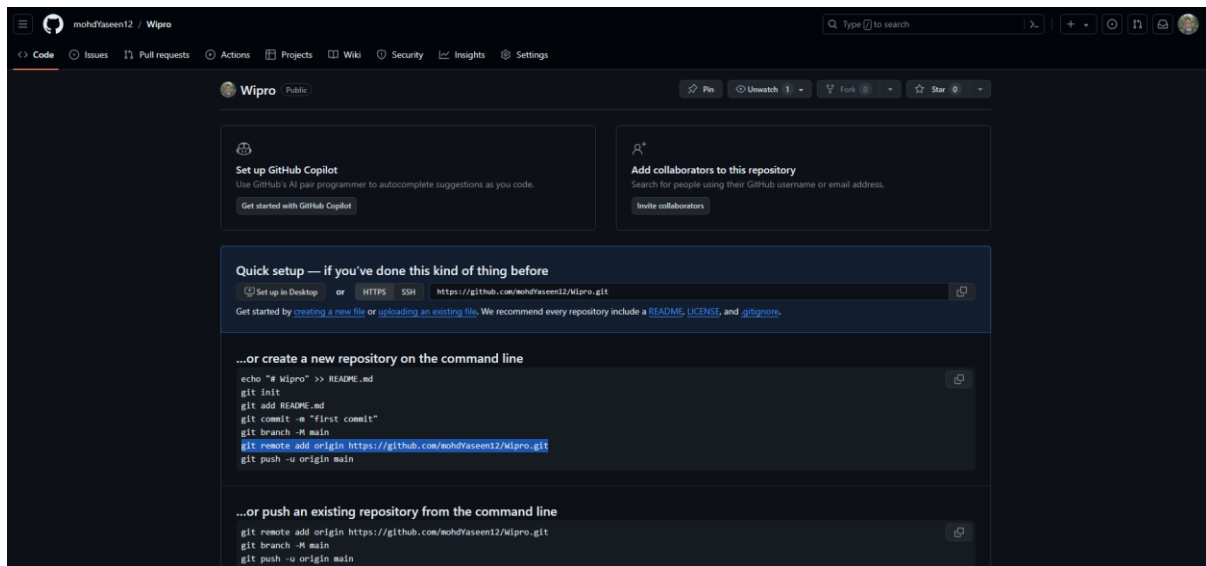
Assignment-1:

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

Solution :

Step-1: Login to the github.com, click on repositories.

Step-2: Click on New, and give the meaningful repository name and click on Create Repository.



Step-3: Create a folder in local system and it in command prompt.

Step-4: use `git init` , it will initialise local folder to a local git repository.

```
PS C:\Users\yasee\Desktop\Wipro_Assignment\assignment> git init
Initialized empty Git repository in C:/Users/yasee/Desktop/Wipro_Assignment/assignment/.git/
```

Step-4: *git remote add origin* <https://github.com/mohdYaseen12/Wipro.git>

This will connect local git repository to remote git repository.

```
PS C:\Users\yasee\Desktop\Wipro_Assignment\assignment> git remote add origin https://github.com/mohdYaseen12/Wipro.git
```

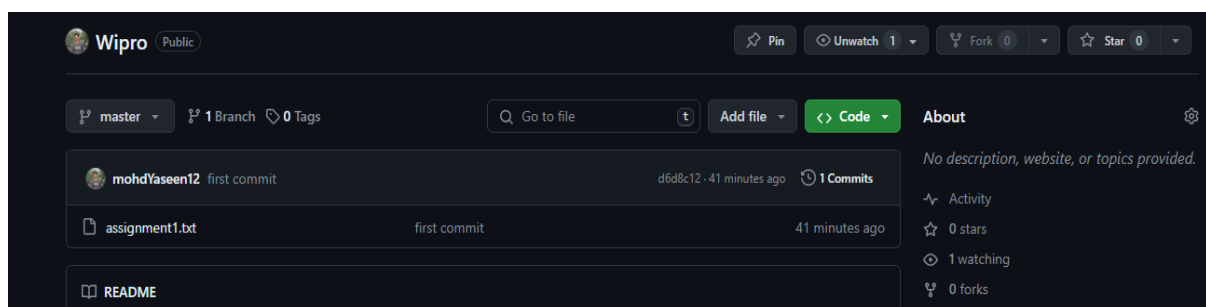
Step-5: Add a text file in the folder. Use *git add .* to add the file in the local repository.

Step-6: *git commit -m "first commit"* this will save the text in the local repository only. And now the file is ready to be uploaded to remote location.

```
PS C:\Users\yasee\Desktop\Wipro_Assignment\assignment> git add .
PS C:\Users\yasee\Desktop\Wipro_Assignment\assignment> git commit -m "first commit"
[master (root-commit) d6d8c12] first commit
1 file changed, 1 insertion(+)
create mode 100644 assignment1.txt
```

Step-7: *git push origin master* This will upload/ push the file to remote github repository. And this file will be reflected by refreshing the page.

```
PS C:\Users\yasee\Desktop\Wipro_Assignment\assignment> git push origin master
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Writing objects: 100% (3/3), 258 bytes | 258.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/mohdYaseen12/Wipro.git
* [new branch]      master -> master
```



Assignment.txt file uploaded to remote repository.

Assignment-2:

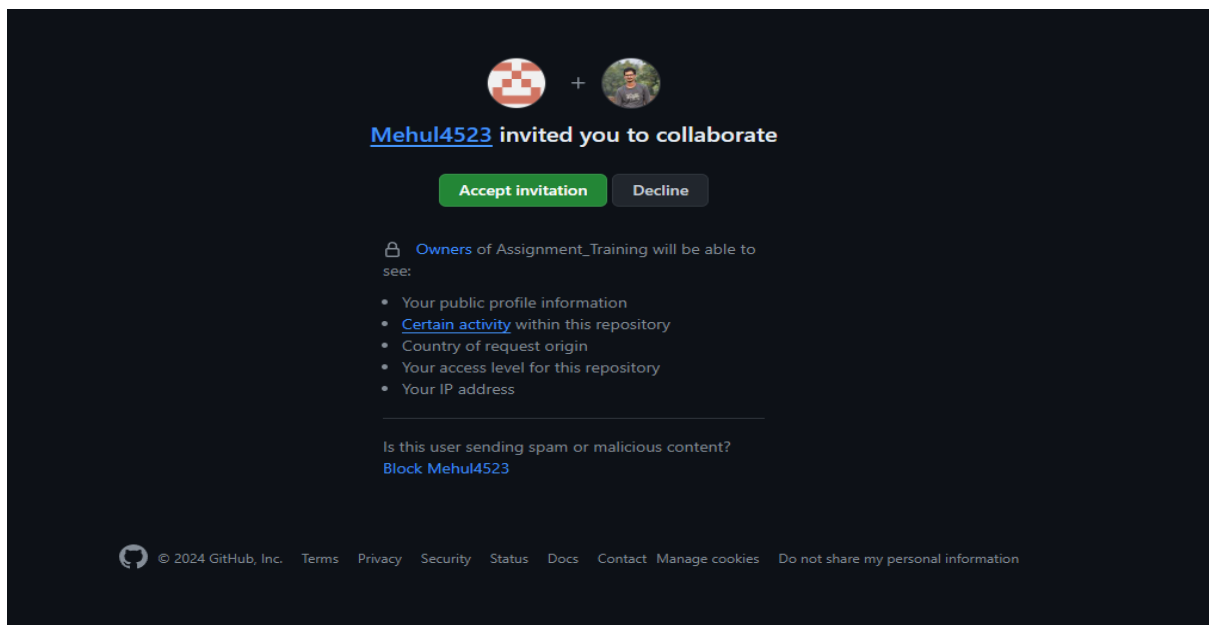
Branch Creation and Switching

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

Solution:

Steps to achieve above said task.

Step-1: My friend Mehul collaborated with me for this assignment, send me an invitation.



Step-2: Cloning his repository Assignment_Training to my local machine.

```
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS C:\Users\yasee\Desktop\Wipro_Assignment> git clone https://github.com/Mehul4523/Assignment_Training.git
Cloning into 'Assignment_Training'...
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
Receiving objects: 100% (3/3), done.
PS C:\Users\yasee\Desktop\Wipro_Assignment> |
```

Step-3: Creating a branch naming as *yaseen_dev* and switching to *yaseen_dev* branch by using *git checkout* command.

```
PS C:\Users\yasee\Desktop\Wipro_Assignment> cd Assignment_Training
PS C:\Users\yasee\Desktop\Wipro_Assignment\Assignment_Training> git branch yaseen_dev
PS C:\Users\yasee\Desktop\Wipro_Assignment\Assignment_Training> git branch
* main
  yaseen_dev
PS C:\Users\yasee\Desktop\Wipro_Assignment\Assignment_Training> git checkout yaseen_dev
Switched to branch 'yaseen_dev'
PS C:\Users\yasee\Desktop\Wipro_Assignment\Assignment_Training> |
```

Step-4: Adding a text file *yaseen_dev_v1.txt* file in my local machine in the repository clone location.

```
PS C:\Users\yasee\Desktop\Wipro_Assignment\Assignment_Training> ls

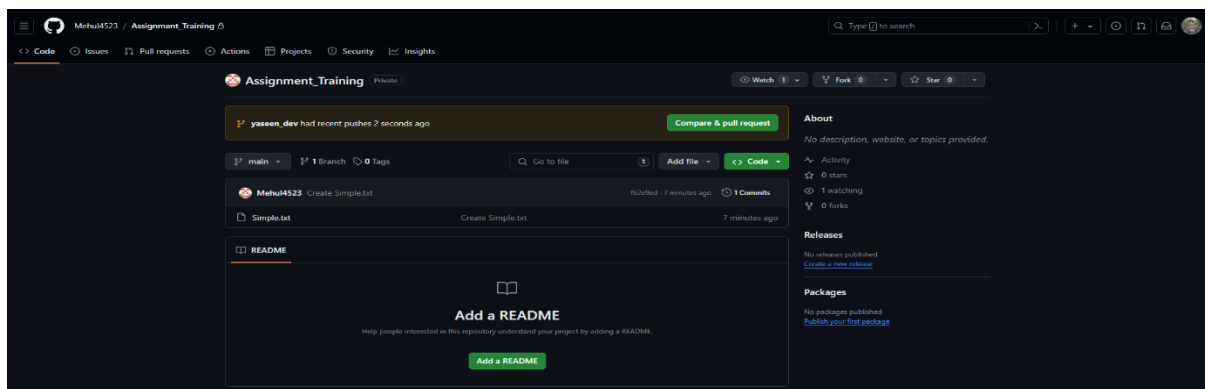
Directory: C:\Users\yasee\Desktop\Wipro_Assignment\Assignment_Training

Mode                LastWriteTime         Length Name
----                -
-a----             15-05-2024   22:39             25 Simple.txt
-a----             15-05-2024   22:42             17 yaseen_dev_v1.txt
```

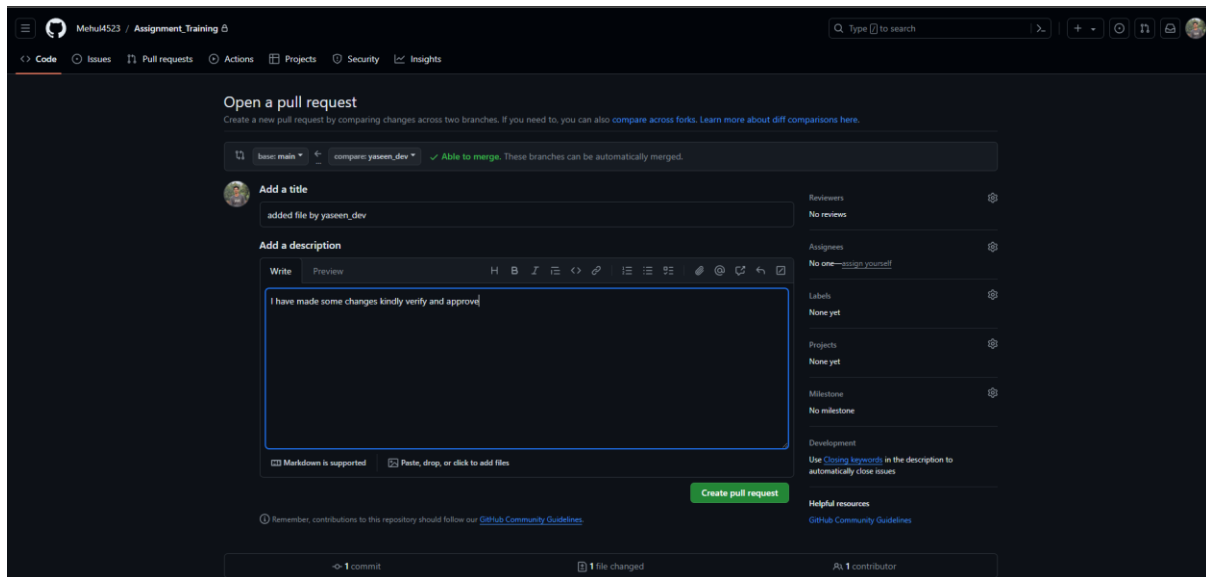
Step-5: Now using *git add .* and *git commit -m* command to add the *yaseen_dev_v1.txt* file to the local repository. And finally, using *git push origin yaseen_dev* command to push the file to the remote branch repository.

```
PS C:\Users\yasee\Desktop\Wipro_Assignment\Assignment_Training> git add .
PS C:\Users\yasee\Desktop\Wipro_Assignment\Assignment_Training> git commit -m "added file by yaseen_dev"
[yaseen_dev 8adca80] added file by yaseen_dev
1 file changed, 1 insertion(+)
 create mode 100644 yaseen_dev_v1.txt
PS C:\Users\yasee\Desktop\Wipro_Assignment\Assignment_Training> git push origin yaseen_dev
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 16 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 312 bytes | 312.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
remote:
remote: Create a pull request for 'yaseen_dev' on GitHub by visiting:
remote:   https://github.com/Mehul4523/Assignment_Training/pull/new/yaseen_dev
remote:
To https://github.com/Mehul4523/Assignment_Training.git
 * [new branch]      yaseen_dev -> yaseen_dev
PS C:\Users\yasee\Desktop\Wipro_Assignment\Assignment_Training> |
```

And now the push reflects in the branch on the remote repository.



Step-6: Now creating a pull request to add my file to main/master branch in the remote repository.



Step-7: Merging the file to the main/master branch after getting approval by the administrator in this demo I am also an admin.

Using *git merge yaseen_dev*.

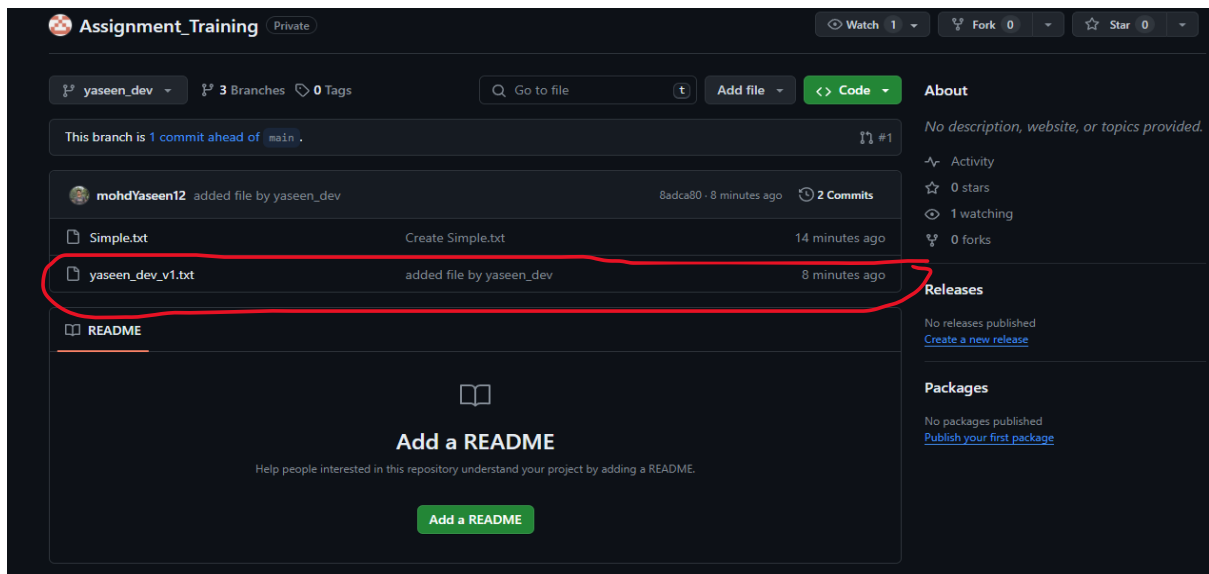
```
yaseen@Mehul4523:~/Assignment_Training$ git checkout main
Switched to branch 'main'
Your branch is up to date with 'origin/main'.
PS C:\Users\yasee\Desktop\Wipro_Assignment\Assignment_Training> git branch
* main
  yaseen_dev
PS C:\Users\yasee\Desktop\Wipro_Assignment\Assignment_Training> git merge yaseen_dev
Updating fb2e9ed..8adca80
Fast-forward
 yaseen_dev_v1.txt | 1 +
 1 file changed, 1 insertion(+)
 create mode 100644 yaseen_dev_v1.txt
PS C:\Users\yasee\Desktop\Wipro_Assignment\Assignment_Training> |
```

Step-8: Now commit the changes made and push to the remote repository.

```
Create mode 100644 yaseen_dev_v1.txt
PS C:\Users\yasee\Desktop\Wipro_Assignment\Assignment_Training> git commit -m "file approved to be added by yaseen_dev"
On branch main
Your branch is ahead of 'origin/main' by 1 commit.
  (use "git push" to publish your local commits)

nothing to commit, working tree clean
PS C:\Users\yasee\Desktop\Wipro_Assignment\Assignment_Training> git push origin main
Total 0 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/Mehul4523/Assignment_Training.git
 fb2e9ed..8adca80  main -> main
PS C:\Users\yasee\Desktop\Wipro_Assignment\Assignment_Training> |
```

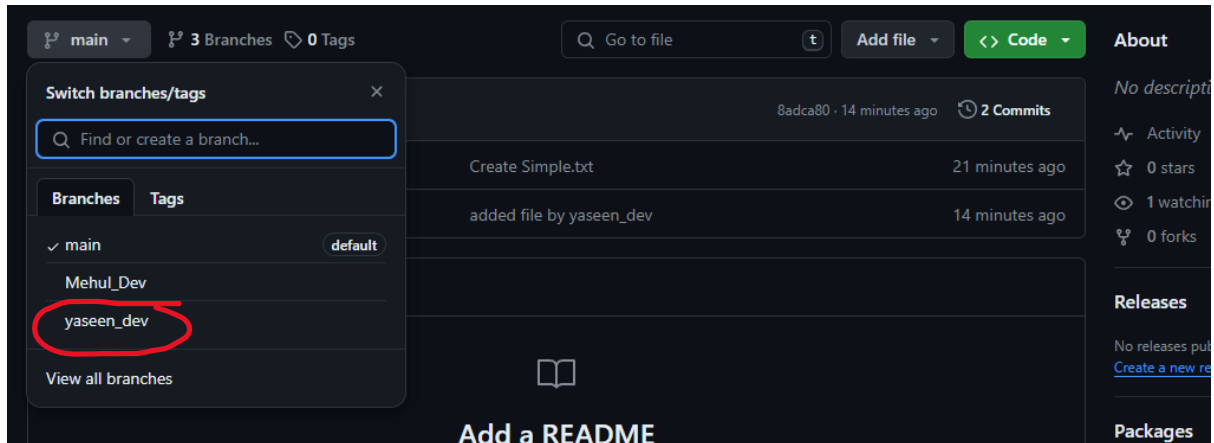
And after this the added file will reflect in the main branch.



Step-9: Deleting the *yaseen_dev* branch from the local repository.

```
PS C:\Users\yasee\Desktop\Wipro_Assignment\Assignment_Training> git branch -d yaseen_dev
Deleted branch yaseen_dev (was 8adca80).
PS C:\Users\yasee\Desktop\Wipro_Assignment\Assignment_Training> git branch
* main
PS C:\Users\yasee\Desktop\Wipro_Assignment\Assignment_Training> |
```

But the branch is not deleted from the remote repository.



Step-10: Deleting the *yaseen_dev* branch from the remote repository.

```
PS C:\Users\yasee\Desktop\Wipro_Assignment\Assignment_Training> git push -d origin yaseen_dev
To https://github.com/Mehul4523/Assignment_Training.git
- [deleted] yaseen_dev
PS C:\Users\yasee\Desktop\Wipro_Assignment\Assignment_Training> |
```

Now the *yaseen_dev* branch is deleted from the remote repository.

