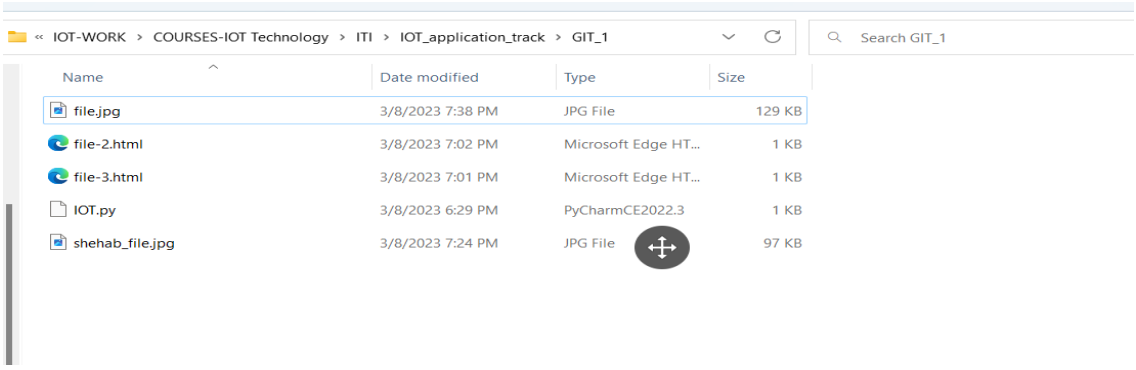
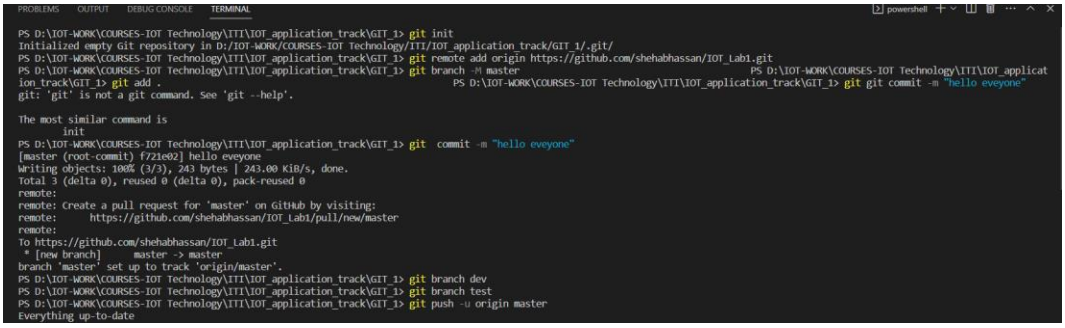
● Create a new project on your local machine, then push it your remote repo.





● Create two branches dev test then create one file on each branch,push changes to the remote repo.

```
PS D:\IOT-WORK\COURSES-IOT Technology\ITI\IOT_application_track\GIT_1> git branch dev
PS D:\IOT-WORK\COURSES-IOT Technology\ITI\IOT_application_track\GIT_1> git branch test
PS D:\IOT-WORK\COURSES-IOT Technology\ITI\IOT_application_track\GIT_1> git push -u origin master
Everything up-to-date
branch 'master' set up to track 'origin/master'.
PS D:\IOT-WORK\COURSES-IOT Technology\ITI\IOT_application_track\GIT_1> git push
Everything up-to-date
PS D:\IOT-WORK\COURSES-IOT Technology\ITI\IOT_application_track\GIT_1> git branch
  dev
* master
  test
PS D:\IOT-WORK\COURSES-IOT Technology\ITI\IOT_application_track\GIT_1> git checkout test
Switched to branch 'test'
PS D:\IOT-WORK\COURSES-IOT Technology\ITI\IOT_application_track\GIT_1> git branch
  dev
  master
* test
PS D:\IOT-WORK\COURSES-IOT Technology\ITI\IOT_application_track\GIT_1> git add file-2.html
PS D:\IOT-WORK\COURSES-IOT Technology\ITI\IOT_application_track\GIT_1> git commit -m "file-2"
[test 2a0aa4c] file-2
 1 file changed, 12 insertions(+)
 create mode 100644 file-2.html
PS D:\IOT-WORK\COURSES-IOT Technology\ITI\IOT_application_track\GIT_1> git push origin test
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 8 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 453 bytes | 453.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
remote:
remote: Create a pull request for 'test' on GitHub by visiting:
remote:      https://github.com/shehabhassan/IOT_Lab1/pull/new/test
remote:
To https://github.com/shehabhassan/IOT_Lab1.git
 * [new branch]      test -> test
```

```
PS D:\IOT-WORK\COURSES-IOT Technology\ITI\IOT_application_track\GIT_1> git checkout dev
Switched to branch 'dev'
PS D:\IOT-WORK\COURSES-IOT Technology\ITI\IOT_application_track\GIT_1> git add file-3.html
```

● Merge this changes on Master branch and then push it to your remote master branch.

```
PS D:\IOT-WORK\COURSES-IOT Technology\ITI\IOT_application_track\GIT_1> git merge test
Already up to date.
PS D:\IOT-WORK\COURSES-IOT Technology\ITI\IOT_application_track\GIT_1> git merge dev
Already up to date.
```

● Tell me how to remove them locally and remotely.

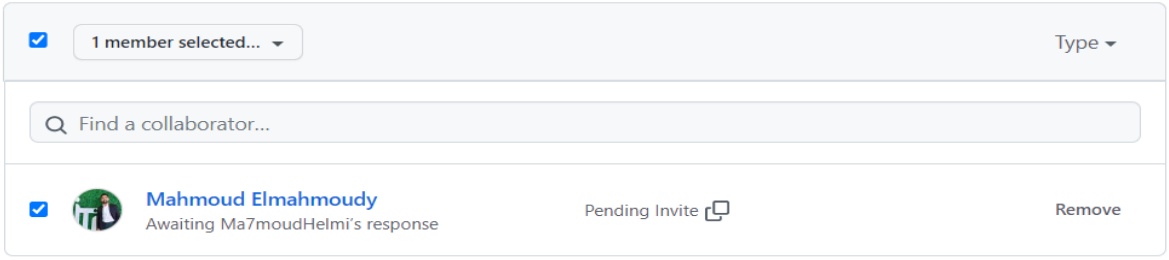
Local :

```
PS D:\IOT-WORK\COURSES-IOT Technology\ITI\IOT_application_track\GIT_1> git branch -d test
Deleted branch test (was 2a0aa4c).
PS D:\IOT-WORK\COURSES-IOT Technology\ITI\IOT_application_track\GIT_1>
```

Remotely :

```
PS D:\IOT-WORK\COURSES-IOT Technology\ITI\IOT_application_track\GIT_1> git push origin :dev
To https://github.com/shehabhassan/IOT_Lab1.git
 - [deleted]         dev
PS D:\IOT-WORK\COURSES-IOT Technology\ITI\IOT_application_track\GIT_1>
```

● Send an invitation to me (mahmoudhelmy31@gmail.com).



Create an annotated tag with tagname (v1.7) .

```
PS D:\IOT-WORK\COURSES-IOT Technology\ITI\IOT_application_track\GIT_1> git tag -a v2.0 -m "v.17"
PS D:\IOT-WORK\COURSES-IOT Technology\ITI\IOT_application_track\GIT_1> git push origin v.17
```

● Push it to the remote repository.

```
PS D:\IOT-WORK\COURSES-IOT Technology\ITI\IOT_application_track\GIT_1> git push origin v2.0
Everything up-to-date
PS D:\IOT-WORK\COURSES-IOT Technology\ITI\IOT_application_track\GIT_1>
```

● Tell me how to list tags.

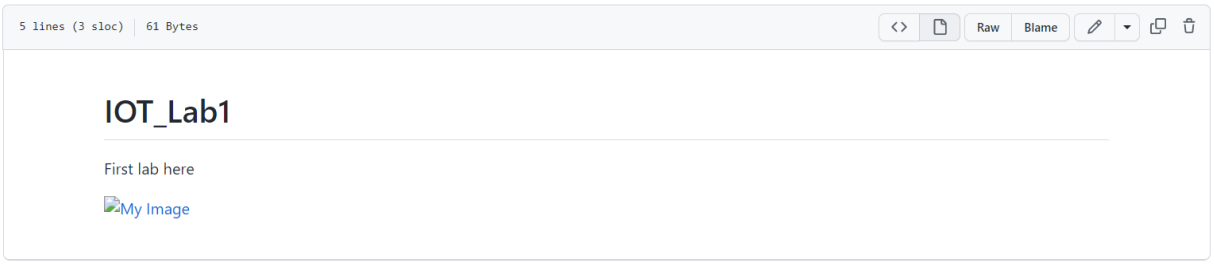
```
PS D:\IOT-WORK\COURSES-IOT Technology\ITI\IOT_application_track\GIT_1> git tag
v2.0
PS D:\IOT-WORK\COURSES-IOT Technology\ITI\IOT_application_track\GIT_1>
```

● Tell me how to delete tag locally and remotely.

Local :

```
PS D:\IOT-WORK\COURSES-IOT Technology\ITI\IOT_application_track\GIT_1> git tag -d v2.0
Deleted tag 'v2.0' (was f647046)
PS D:\IOT-WORK\COURSES-IOT Technology\ITI\IOT_application_track\GIT_1>
```

Remotely :

```
PS D:\IOT-WORK\COURSES-IOT Technology\ITI\IOT_application_track\GIT_1> git push origin delete v2.0
```

● Add an image in the README.md file.