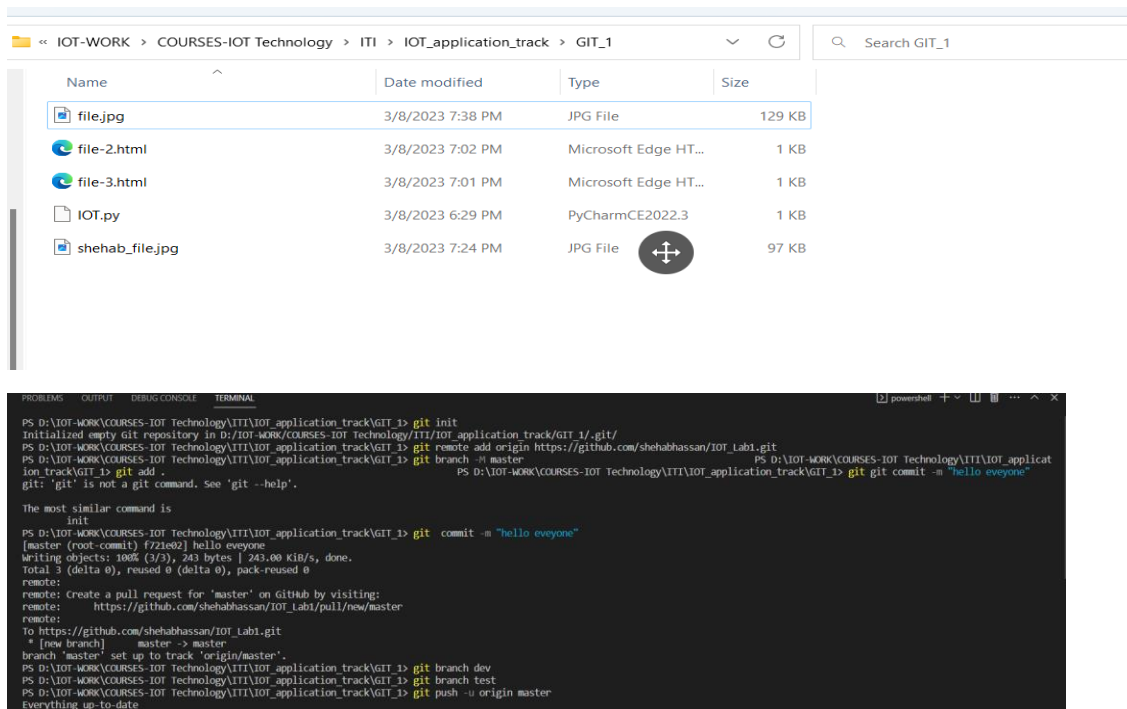


- Create a new project on your local machine, then push it your remote repo.



File Explorer view of the repository:

Name	Date modified	Type	Size
file.jpg	3/8/2023 7:38 PM	JPG File	129 KB
file-2.html	3/8/2023 7:02 PM	Microsoft Edge HT...	1 KB
file-3.html	3/8/2023 7:01 PM	Microsoft Edge HT...	1 KB
IOT.py	3/8/2023 6:29 PM	PyCharmCE2022.3	1 KB
shehab_file.jpg	3/8/2023 7:24 PM	JPG File	97 KB

Terminal output:

```
PS D:\IOT-WORK\COURSES-IOT Technology\ITI\IOT_application_track\GIT_1> git init
Initialized empty Git repository in D:\IOT-WORK\COURSES-IOT Technology\ITI\IOT_application_track\GIT_1\.git/
PS D:\IOT-WORK\COURSES-IOT Technology\ITI\IOT_application_track\GIT_1> git remote add origin https://github.com/shehabhassan/IOT_Lab1.git
PS D:\IOT-WORK\COURSES-IOT Technology\ITI\IOT_application_track\GIT_1> git branch -M master
PS D:\IOT-WORK\COURSES-IOT Technology\ITI\IOT_application_track\GIT_1> git add .
PS D:\IOT-WORK\COURSES-IOT Technology\ITI\IOT_application_track\GIT_1> git commit -m "hello everyone"
git: 'git' is not a git command. See 'git --help'.

The most similar command is
    init
PS D:\IOT-WORK\COURSES-IOT Technology\ITI\IOT_application_track\GIT_1> git commit -m "hello everyone"
[master (root-commit) f721e02] hello everyone
3 files changed, 12 insertions(+)
create mode 100644 file-2.html
create mode 100644 file-3.html
create mode 100644 IOT.py
remote: Create a pull request for 'master' on GitHub by visiting:
remote:   https://github.com/shehabhassan/IOT_Lab1/pull/new/master
remote:
To https://github.com/shehabhassan/IOT_Lab1.git
 * [new branch]      master -> master
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
```

- 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).

1 member selected...		Type ▾
<input type="text" value="Find a collaborator..."/>		
<input checked="" type="checkbox"/>	 Mahmoud Elmahmoudy Awaiting Ma7moudHelmi's response	Pending Invite  Remove

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.

