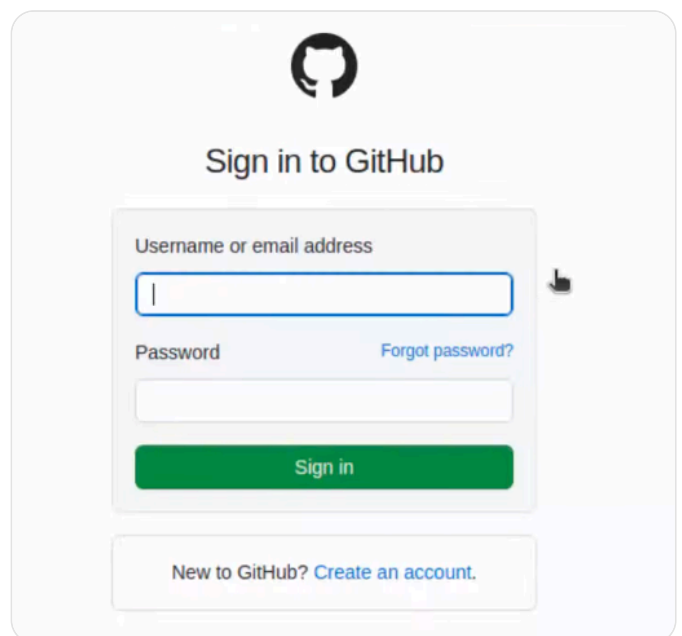


GITHUB :

It is a Cloud platform for storing code + version control + teamwork.

- To **store code safely** online.
- To **track all changes** in code.
- To **work together** with a team.
- To create **branches** for new features.
- To **review and merge** code using pull requests.
- To keep a **backup** of all versions.

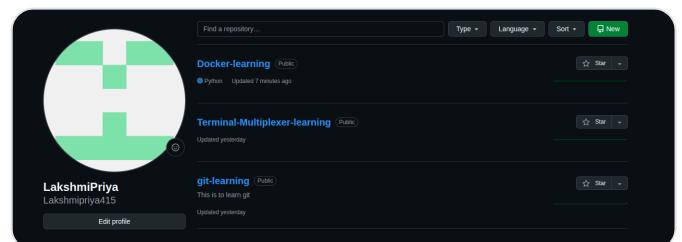
1. login to gihub



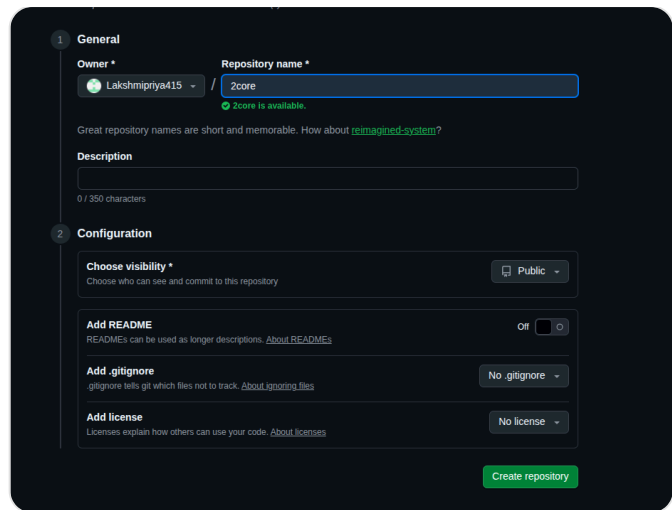
click username and pw

2. To create repository

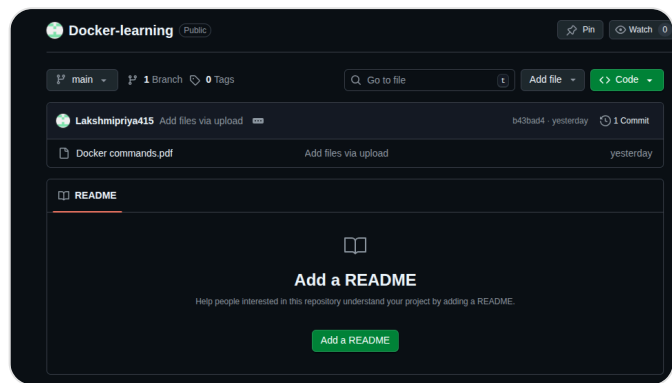
Go to new like below



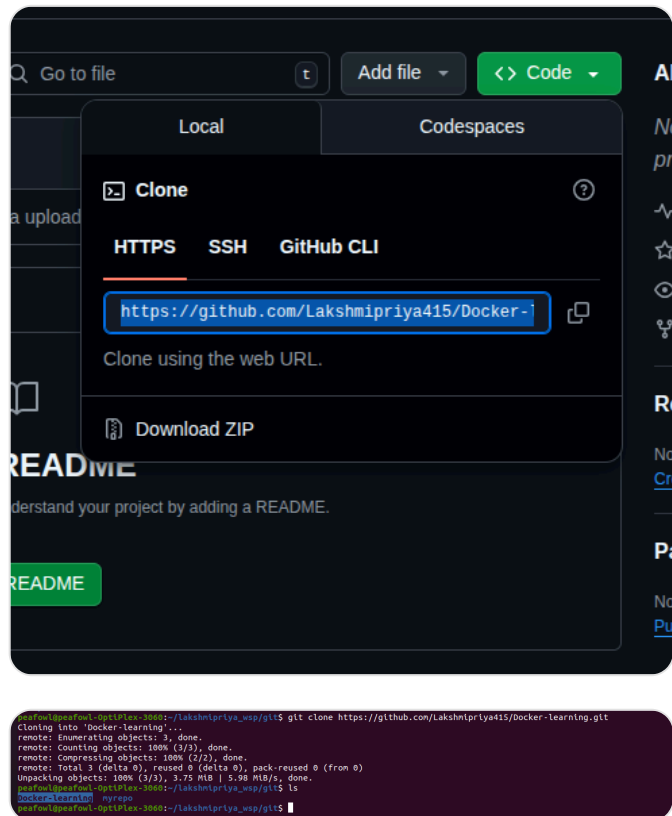
create with any name → set any description→set as public or private →create repository



After create it will look like below



3. clone the repository with the https URL



4. create a new file and commit and push to github

```
peafowl@peafowl-OptiPlex-3060:~/lakshmiPriya_wsp/git/docker-learning$ vi hello.py
peafowl@peafowl-OptiPlex-3060:~/lakshmiPriya_wsp/git/docker-learning$ git status
On branch main
Your branch is up to date with 'origin/main'.

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        hello.py

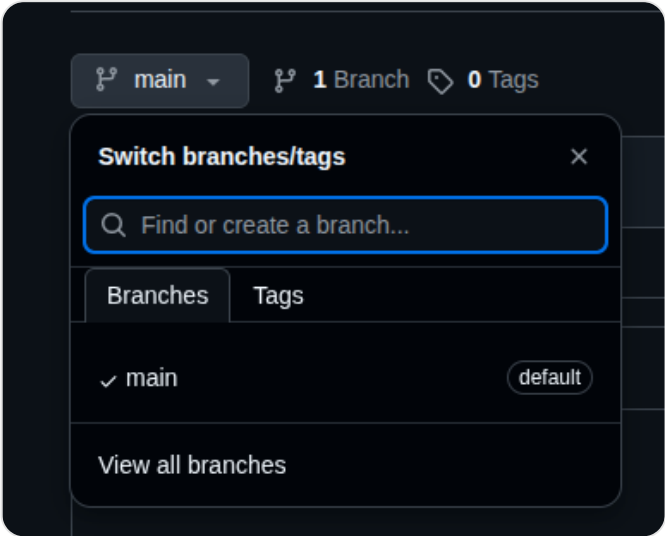
nothing added to commit but untracked files present (use "git add" to track)
peafowl@peafowl-OptiPlex-3060:~/lakshmiPriya_wsp/git/docker-learning$ git add hello.py
peafowl@peafowl-OptiPlex-3060:~/lakshmiPriya_wsp/git/docker-learning$ git status
On branch main
Your branch is up to date with 'origin/main'.

Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        new file:   hello.py

peafowl@peafowl-OptiPlex-3060:~/lakshmiPriya_wsp/git/docker-learning$
```

```
peafowl@peafowl-OptiPlex-3060:~/lakshmiPriya_wsp/git/docker-learning$ git commit -m "python file added"
[main 44790c5] python file added
 1 file changed, 1 insertion(+)
 create mode 100644 hello.py
peafowl@peafowl-OptiPlex-3060:~/lakshmiPriya_wsp/git/docker-learning$ git status
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
peafowl@peafowl-OptiPlex-3060:~/lakshmiPriya_wsp/git/docker-learning$
```



branch default is main so we push to the main branch

```
peafowl@peafowl-OptiPlex-3060:~/lakshmiPriya_wsp/git/docker-learning$ git push origin main
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 12 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 311 bytes | 311.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0)
To https://github.com/LakshmiPriya415/docker-learning.git
   b43bad4..44790c5  main -> main
peafowl@peafowl-OptiPlex-3060:~/lakshmiPriya_wsp/git/docker-learning$
```

Check hello.py is pushed to github or not

