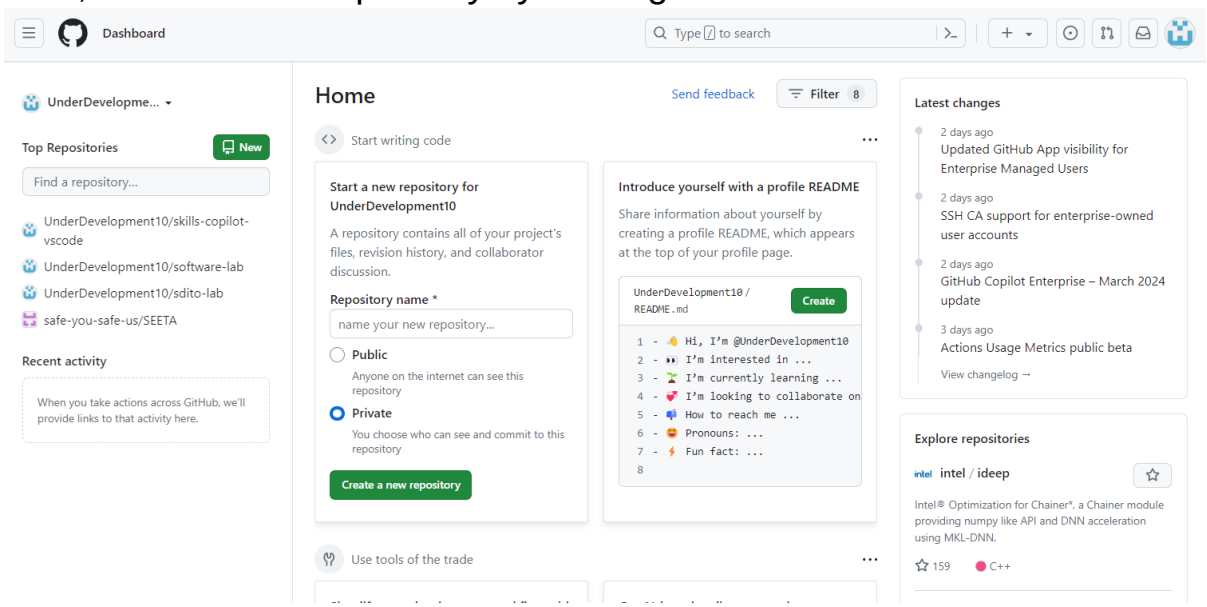
Assignment – 8

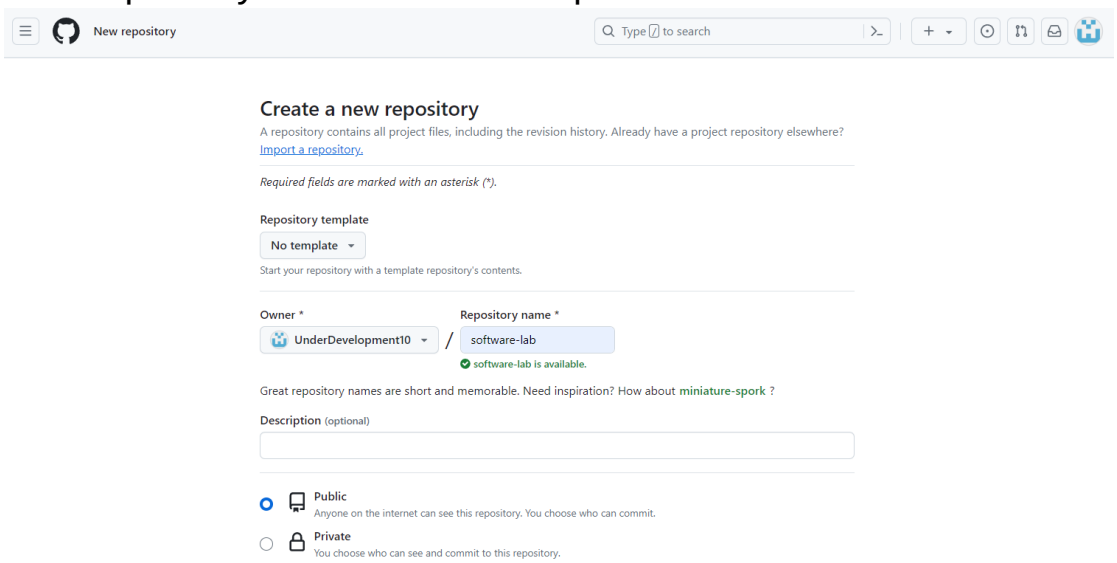
Problem Statement:

Deploy a project from a local machine to GitHub and vice versa.

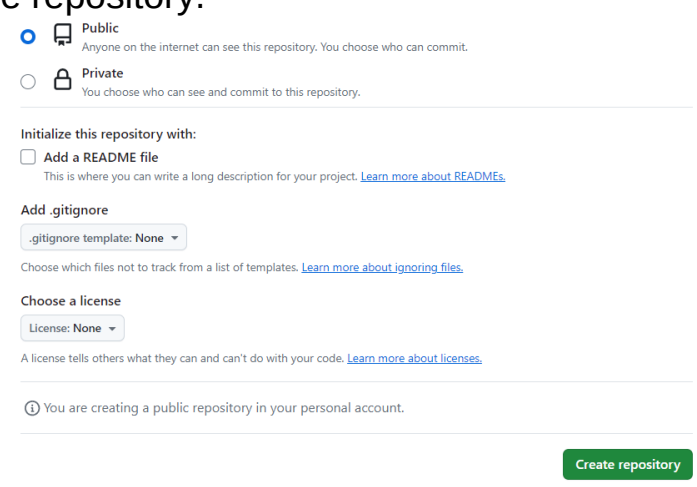
1) First, create a new repository by clicking New.



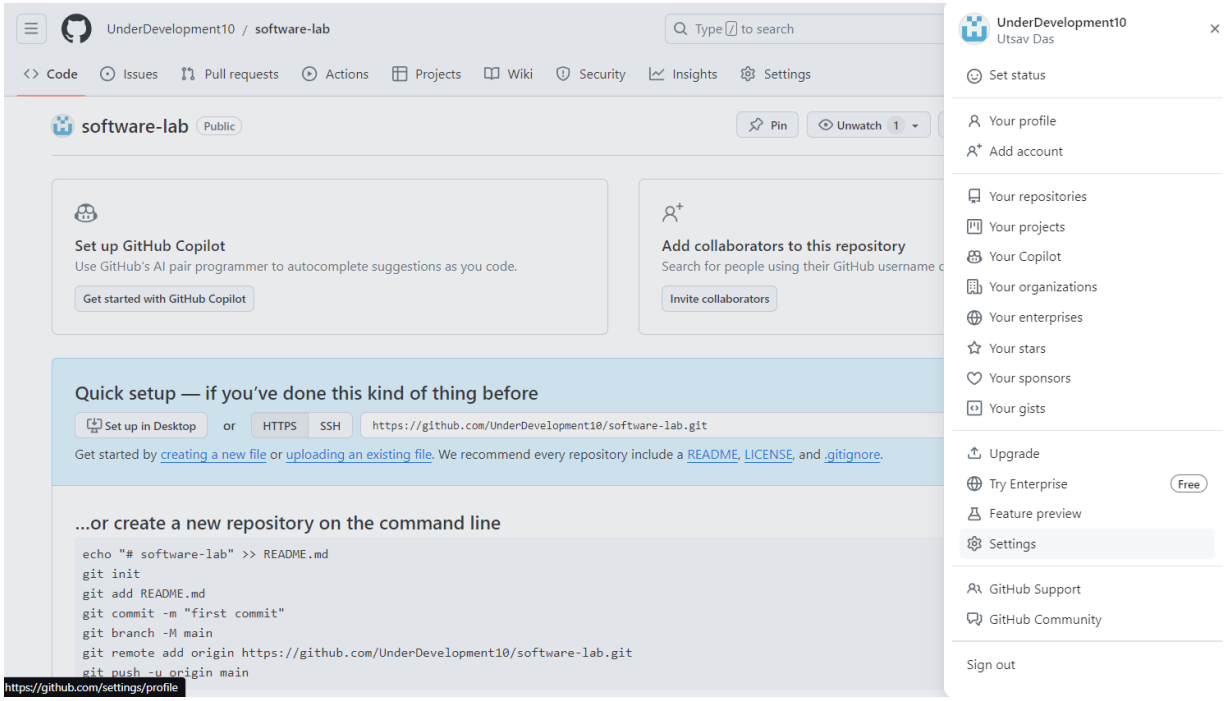
2) Give repository name and make it public.



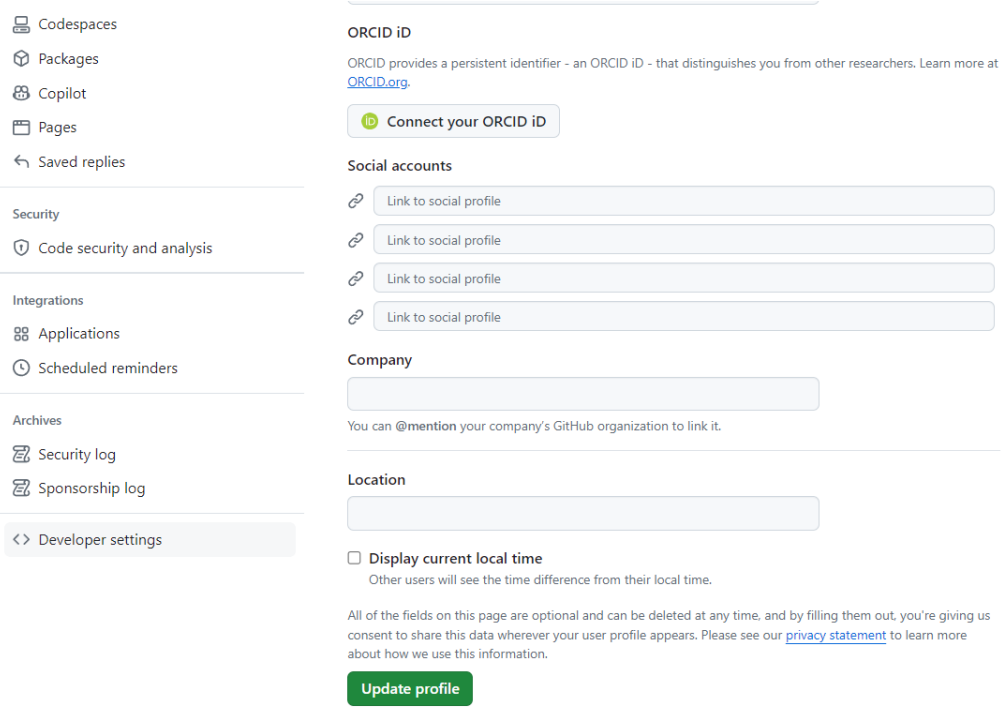
3) Click on Create repository.

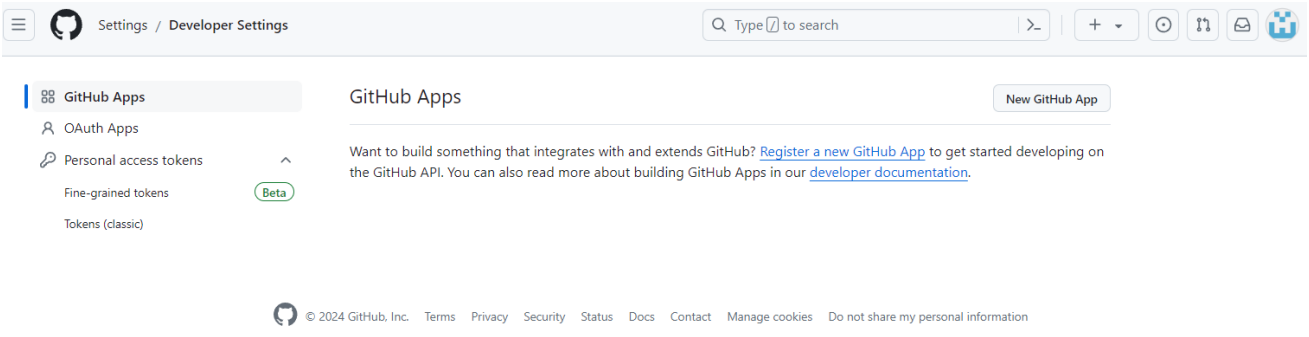


4) Click on Account section and then go to Settings.

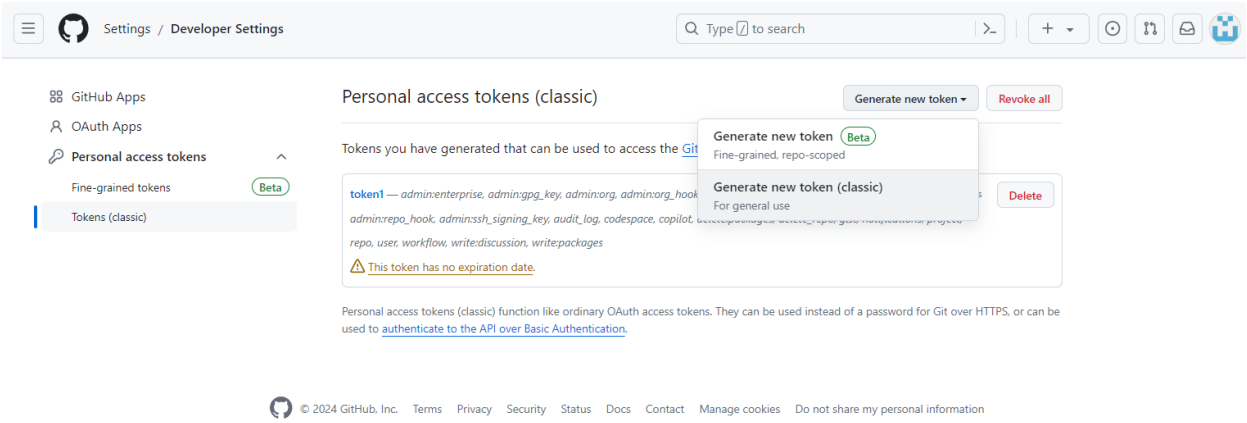


5) Click on Developer settings.

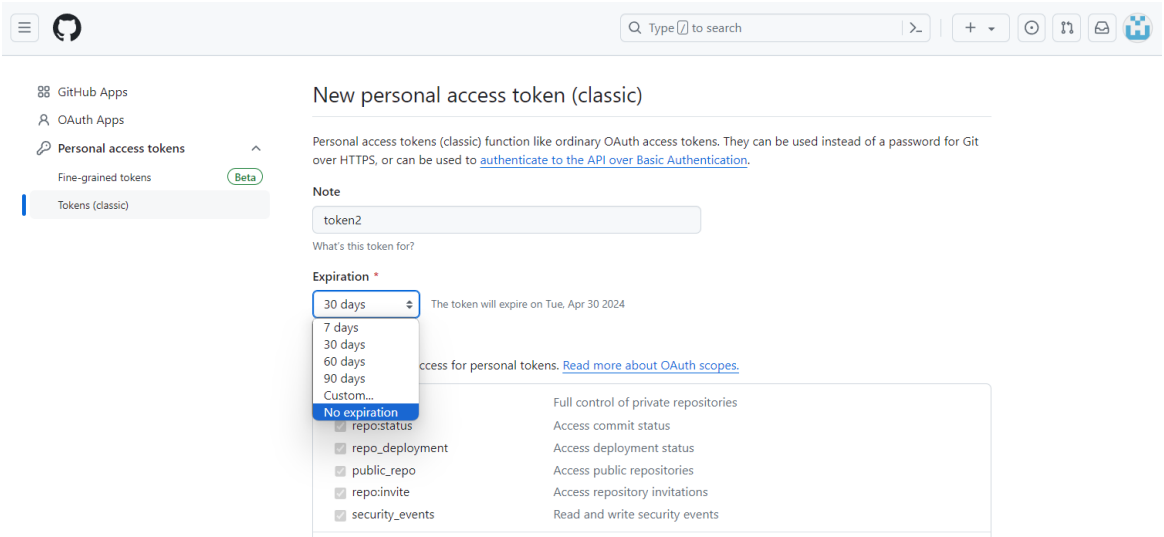




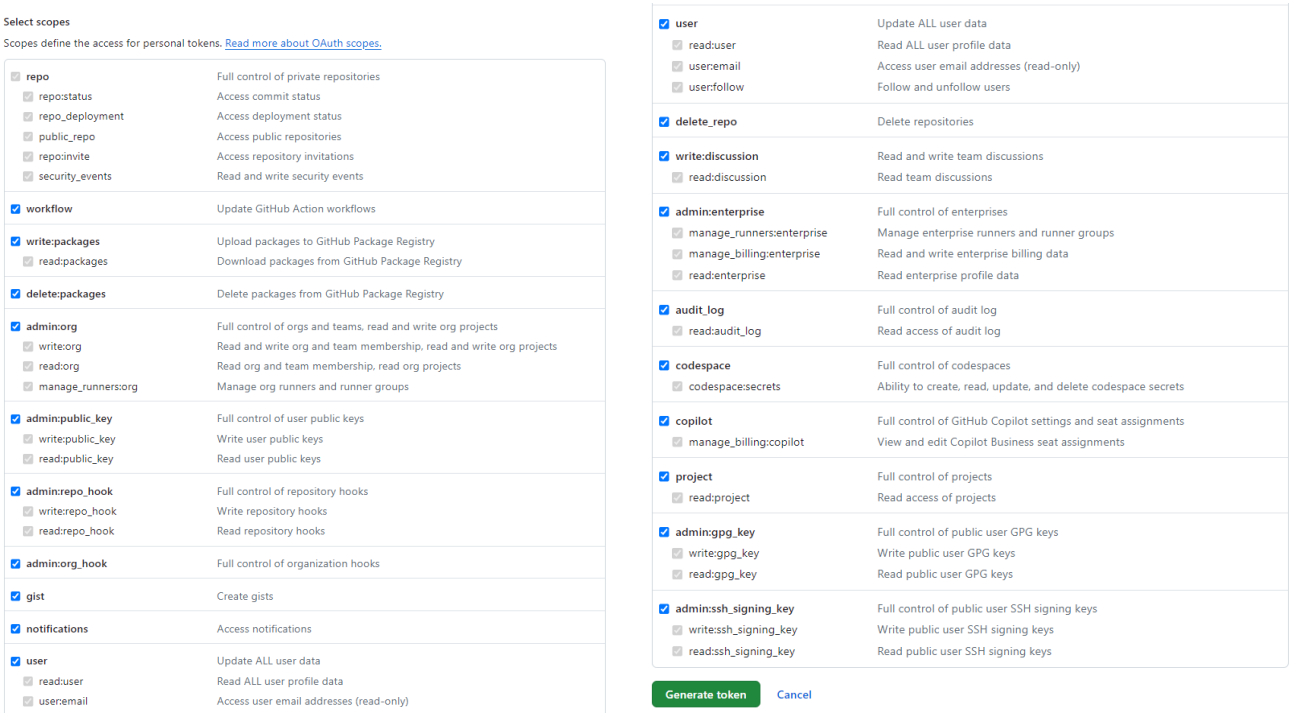
6) Click on Personal access tokens dropdown, select Tokens(classic). Then, from Generate new tokens, click Generate new token(classic).



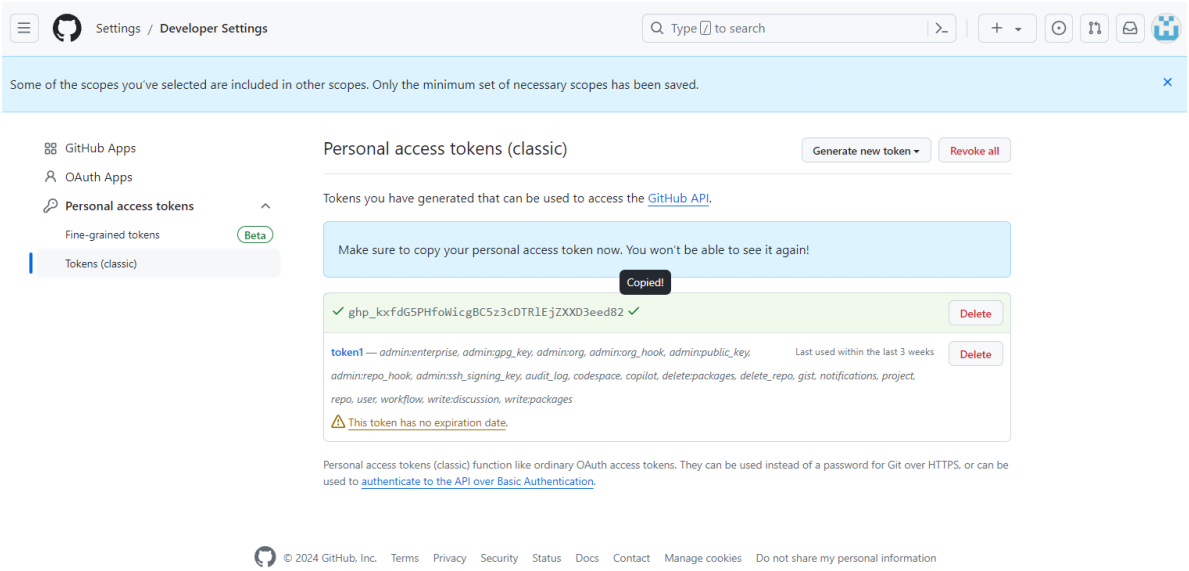
7) In Expiration select No expiration.



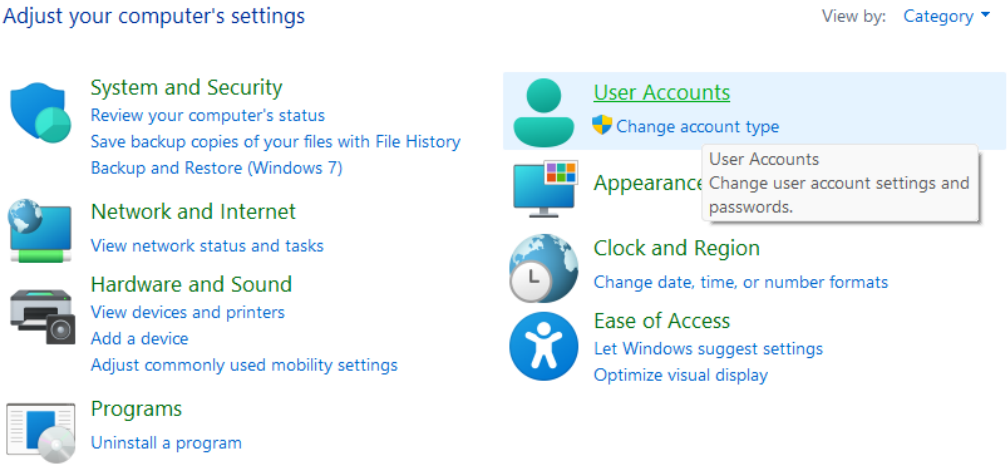
8) In Select scopes select all options and click Generate token.



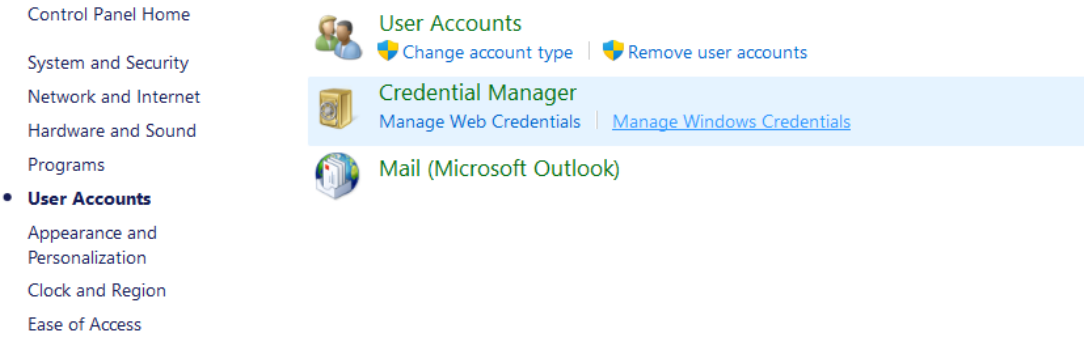
9) After generating token click on copy option for token and save it in text document.



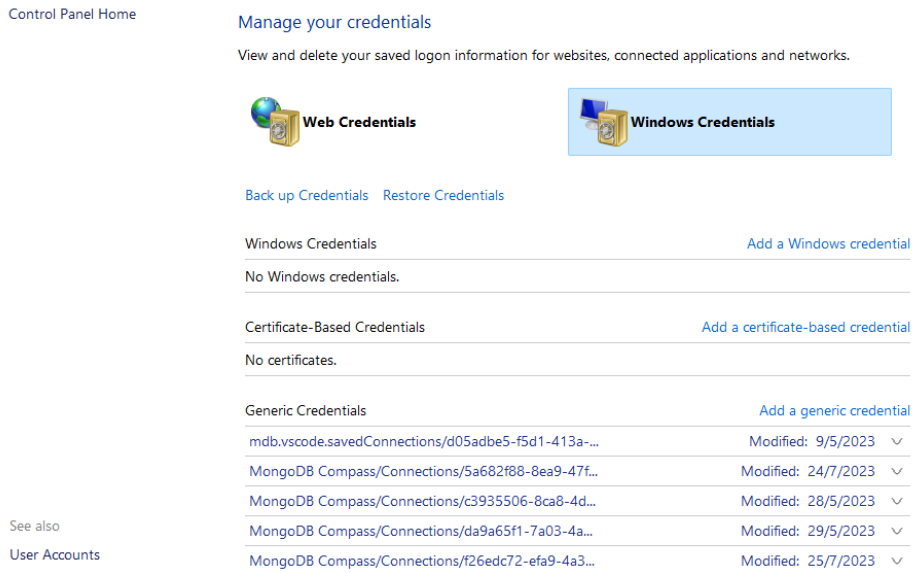
10)Then, go to Control Panel and click on User's account.



11)Go to Manage Windows Credentials.



12)In Generic Credential remove any previous GitHub account.



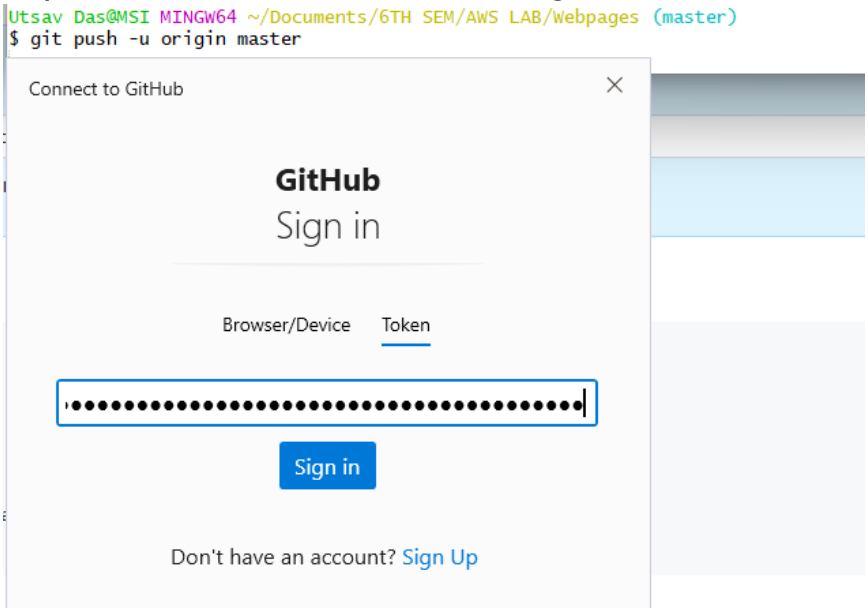
13)Now, right click on website folder and open git bash here.

14)Write all the following commands:

- git init :– to initialize git repository
- dir :– to see what files present in folder
- git add . :– to add all files to git repository
- git status :– to check status of files(committed or not)
- git commit –m “Done” :– Commit files with given message
- git remote add origin https://github.com/UnderDevelopment10/software-lab.git :– to connect remote repository to the local repository
- git push –u origin master :– to push the commits from local "master" branch to the remote repository named "origin"

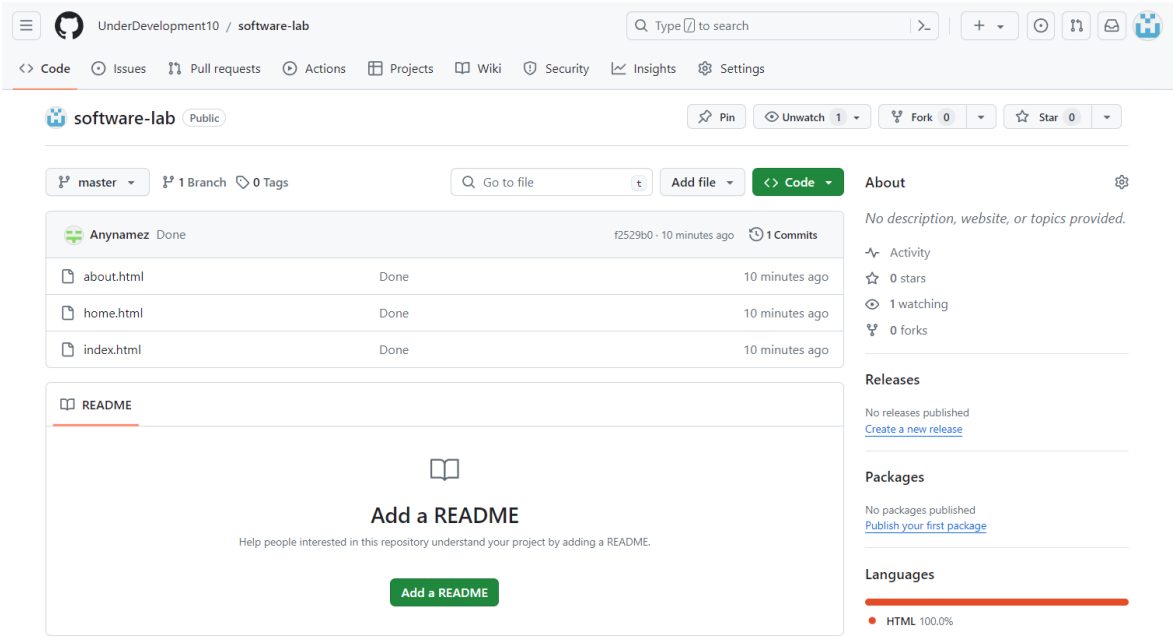
```
MINGW64:/c/Users/Utsav Das/Documents/6TH SEM/AWS LAB/Webpages

Utsav Das@MSI MINGW64 ~/Documents/6TH SEM/AWS LAB/Webpages
$ git init
Initialized empty Git repository in C:/Users/Utsav Das/Documents/6TH SEM/AWS LAB
/Webpages/.git/

Utsav Das@MSI MINGW64 ~/Documents/6TH SEM/AWS LAB/Webpages (master)
$ dir
about.html  home.html  index.html

Utsav Das@MSI MINGW64 ~/Documents/6TH SEM/AWS LAB/Webpages (master)
$ git add .

Utsav Das@MSI MINGW64 ~/Documents/6TH SEM/AWS LAB/Webpages (master)
$ git status
On branch master

No commits yet

Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
        new file:   about.html
        new file:   home.html
        new file:   index.html


Utsav Das@MSI MINGW64 ~/Documents/6TH SEM/AWS LAB/Webpages (master)
$ git commit -m "Done"
[master (root-commit) f2529b0] Done
 3 files changed, 39 insertions(+)
 create mode 100644 about.html
 create mode 100644 home.html
 create mode 100644 index.html

Utsav Das@MSI MINGW64 ~/Documents/6TH SEM/AWS LAB/Webpages (master)
$ git remote add origin https://github.com/UnderDevelopment10/software-lab.git
```

15)After push command a new window opens. Go to token option, paste the copied token text, and click on Sign in.

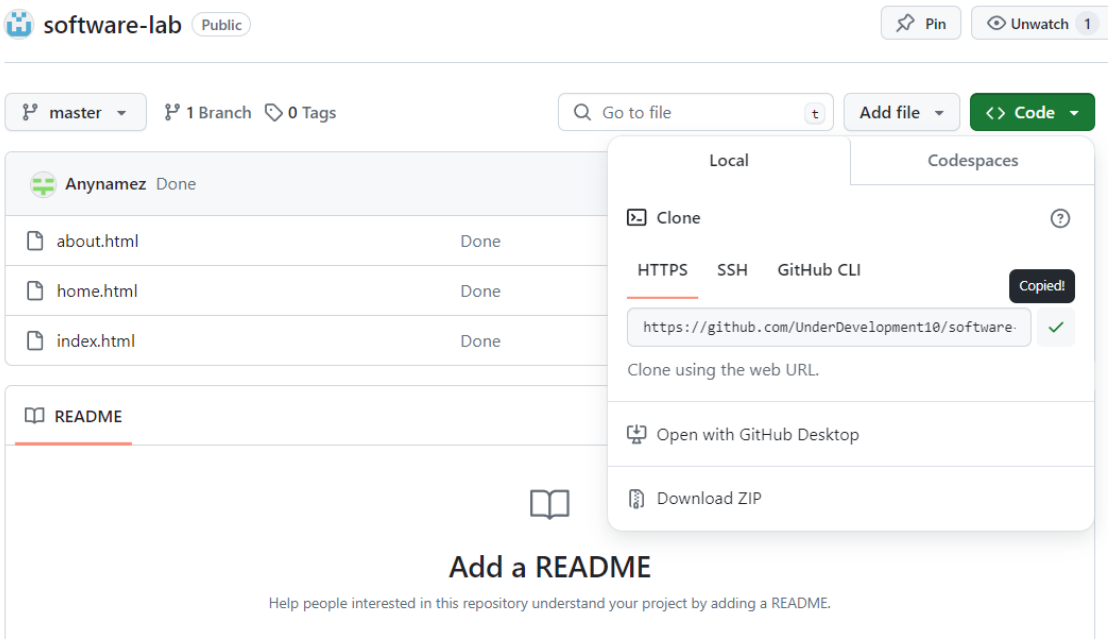



```
Utsav Das@MSI MINGW64 ~/Documents/6TH SEM/AWS LAB/Webpages (master)
$ git push -u origin master
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 16 threads
Compressing objects: 100% (5/5), done.
Writing objects: 100% (5/5), 580 bytes | 580.00 KiB/s, done.
Total 5 (delta 2), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (2/2), done.
To https://github.com/UnderDevelopment10/software-lab.git
 * [new branch]      master -> master
branch 'master' set up to track 'origin/master'.

Utsav Das@MSI MINGW64 ~/Documents/6TH SEM/AWS LAB/Webpages (master)
$
```

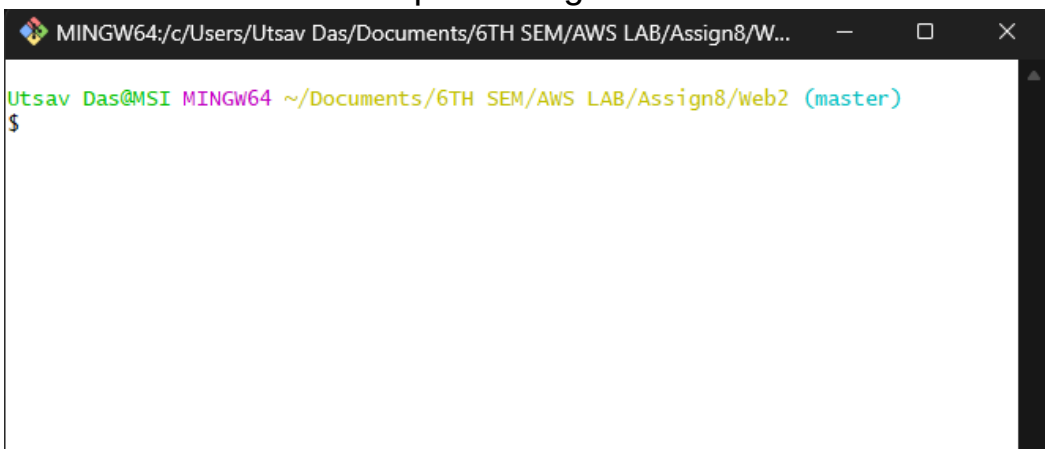
16)Go back to GitHub and enter created repository, where all uploaded files can be seen.



17)Click on Code and copy Clone HTTPS link.



18)Make a new folder and open with git bash.

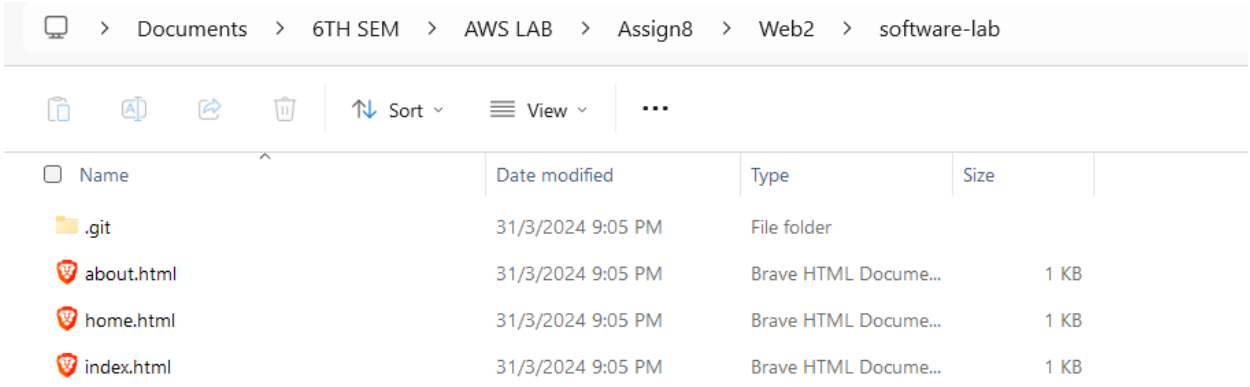


19)Now write all following commands:

- git init :– to initialize git repository
- git clone :– to create a copy of a remote Git repository on local machine.

```
MINGW64:/c/Users/Utsav Das/Documents/6TH SEM/AWS LAB/Assign8/Web2

Utsav Das@MSI MINGW64 ~/Documents/6TH SEM/AWS LAB/Assign8/Web2
$ git init
Initialized empty Git repository in C:/Users/Utsav Das/Documents/6TH SEM/AWS LAB/Assign8/Web2/.git/

Utsav Das@MSI MINGW64 ~/Documents/6TH SEM/AWS LAB/Assign8/Web2 (master)
$ git clone https://github.com/UnderDevelopment10/software-lab.git
Cloning into 'software-lab'...
remote: Enumerating objects: 5, done.
remote: Counting objects: 100% (5/5), done.
remote: Compressing objects: 100% (3/3), done.
remote: Total 5 (delta 2), reused 5 (delta 2), pack-reused 0
Receiving objects: 100% (5/5), done.
Resolving deltas: 100% (2/2), done.

Utsav Das@MSI MINGW64 ~/Documents/6TH SEM/AWS LAB/Assign8/Web2 (master)
$
```

20)We can see that repository is copied into new folder Web2.



21)In this way we have deployed a project from local machine to GitHub and vice versa.