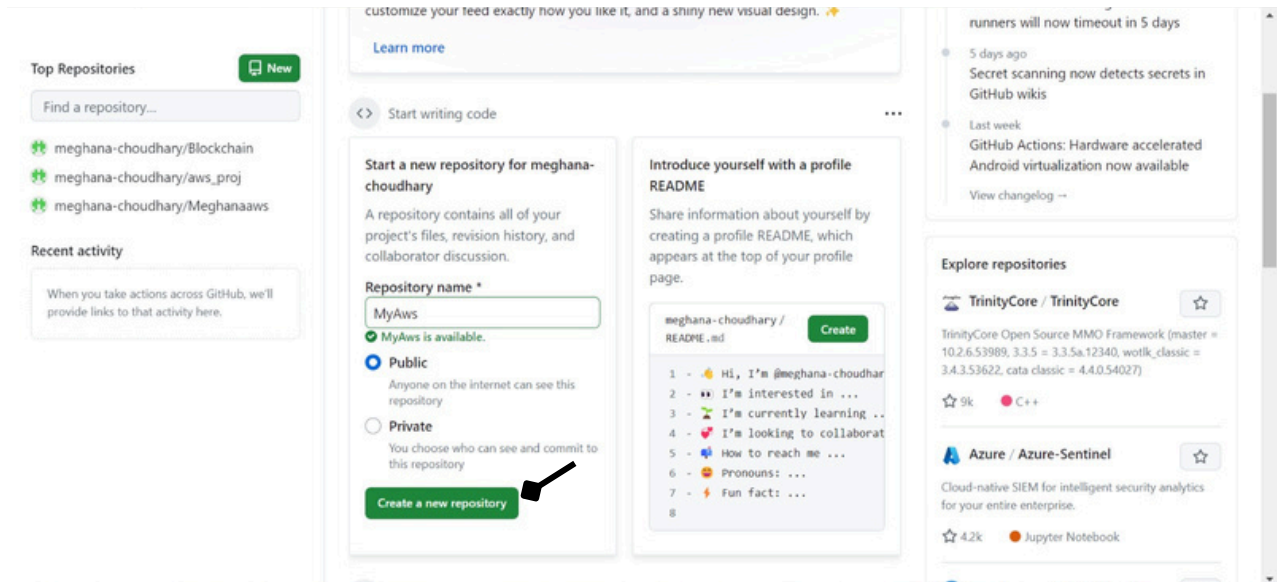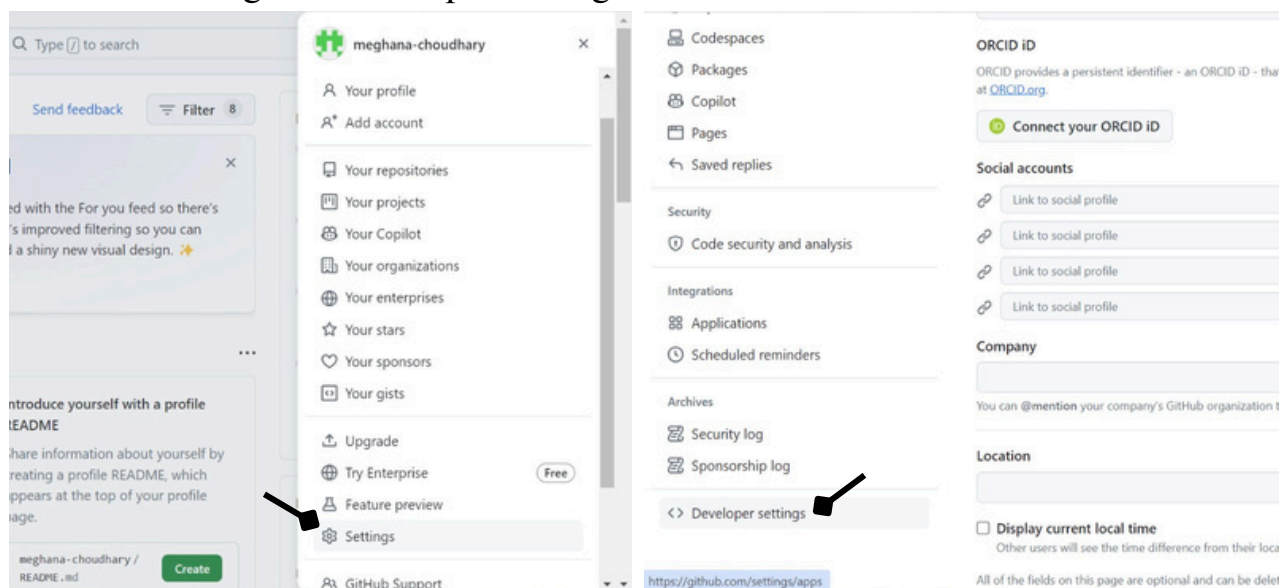# 8. PROBLEM STATEMENT:

Deploy a project from a local machine to GitHub and vice versa.
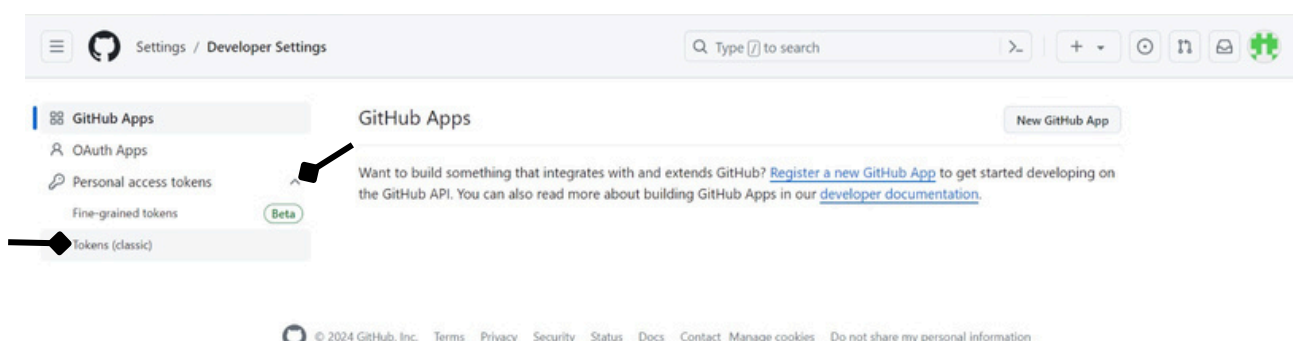
1. Create a new Public Github repository. Click on "Create a new repository" to proceed.
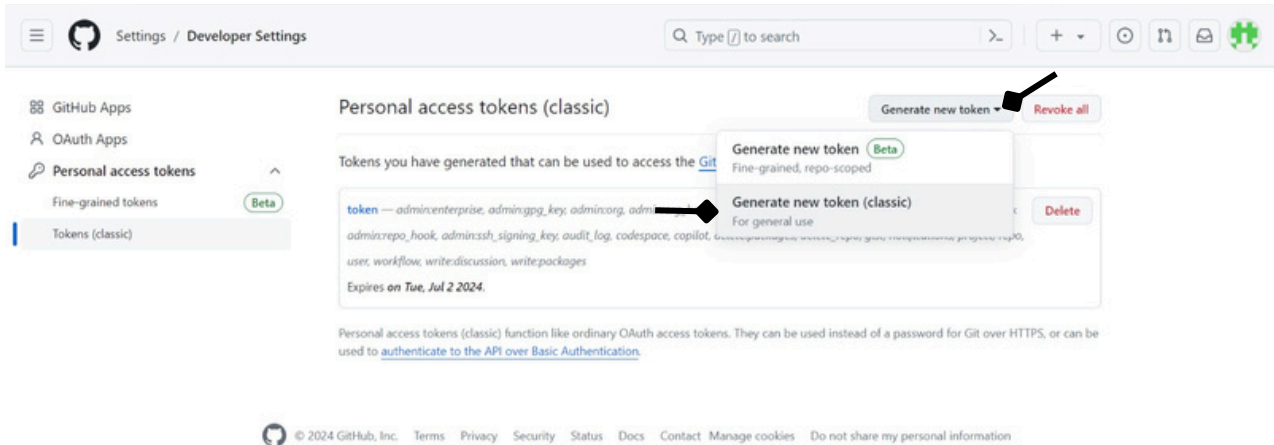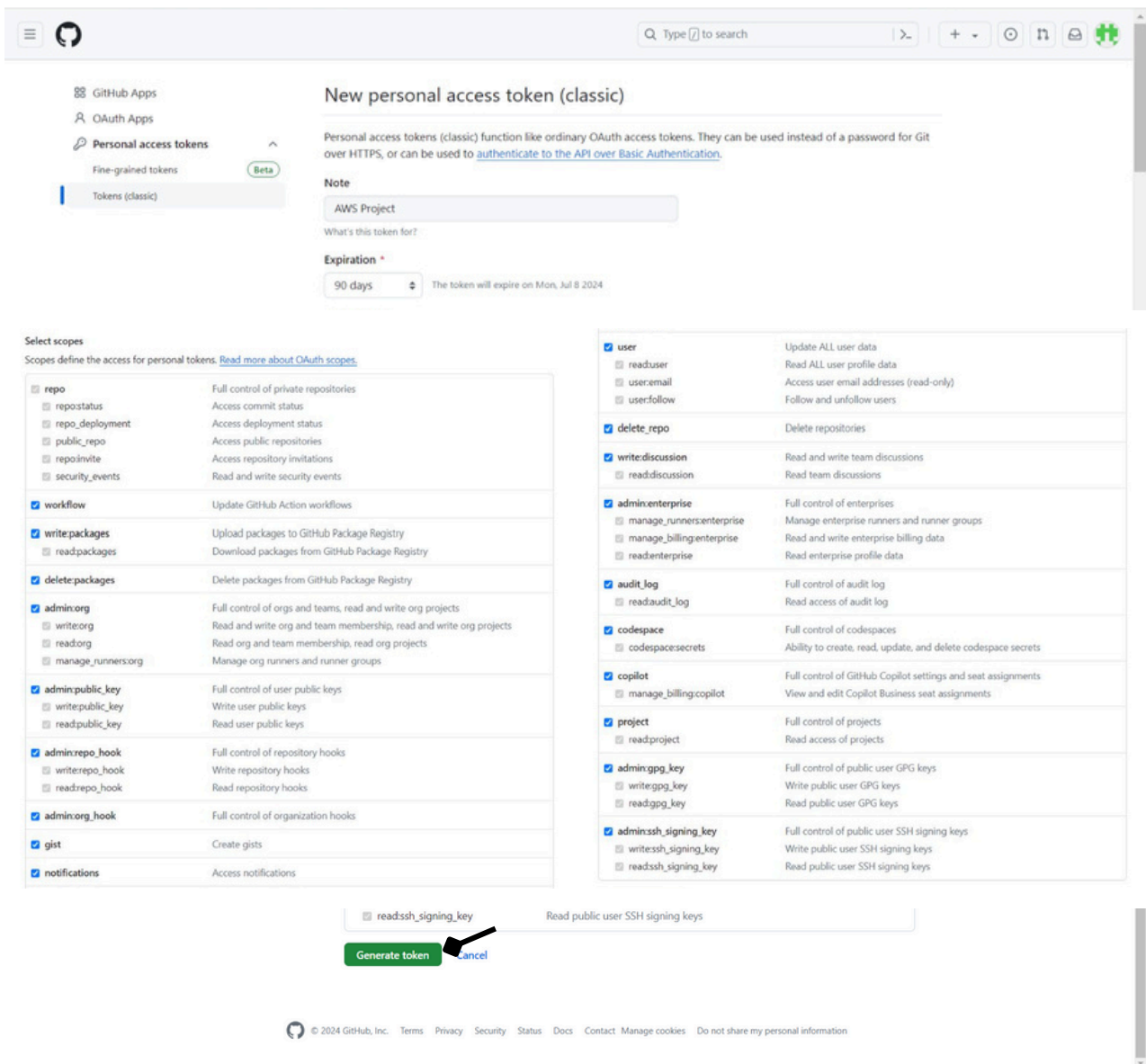

2. Go to Settings -> Developer settings.

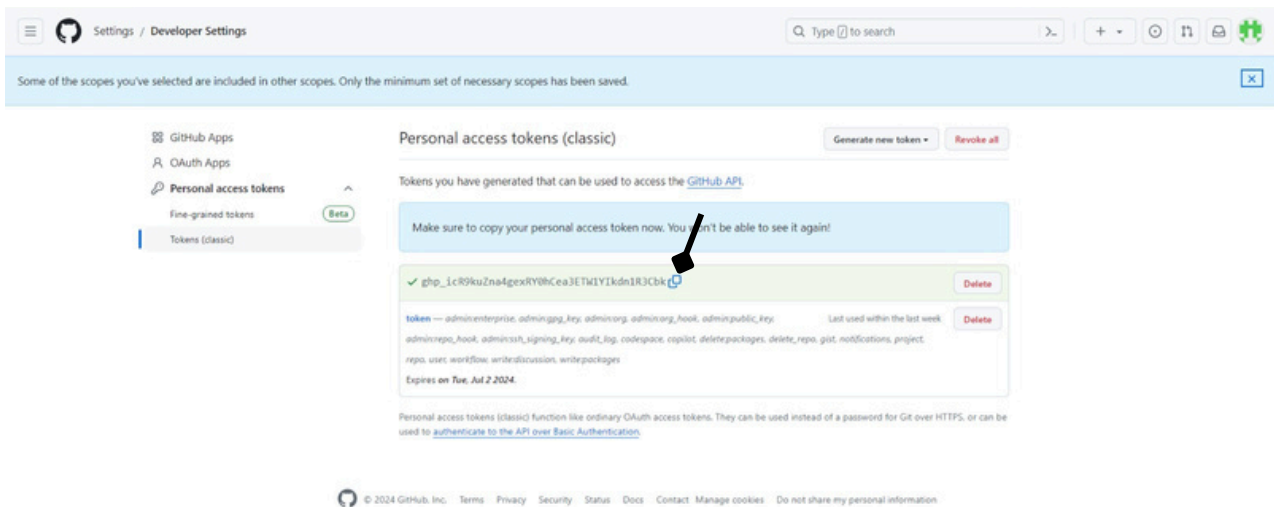3. Now click on Personal access tokens dropdown and then click on Tokens(classic).

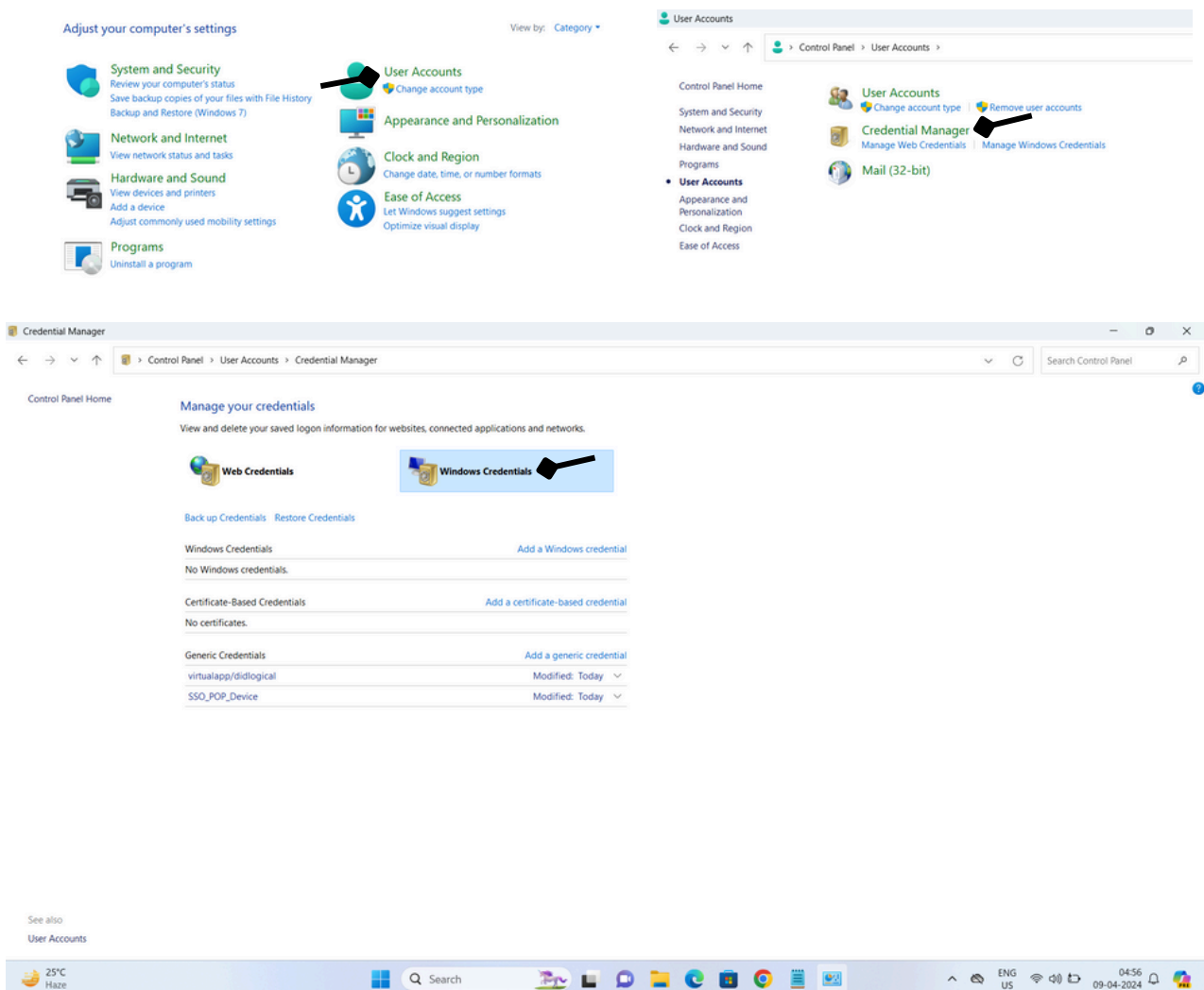4. Now click on Generate new tokens and then Generate new token(classic).

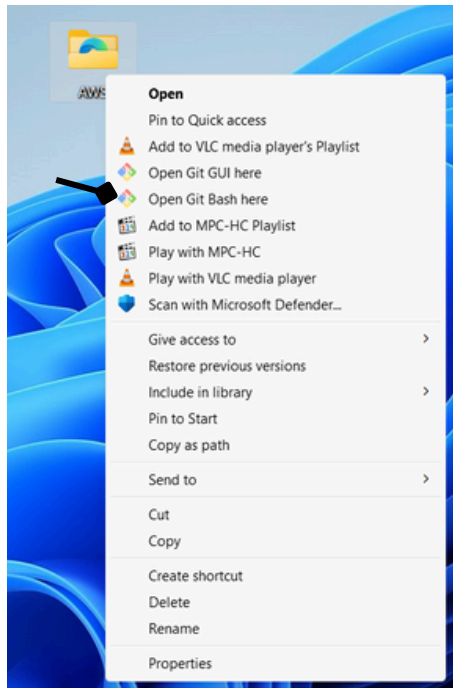5. Set expiration date for as long as possible and select all scopes. Then Generate token.

6. After generating token click on copy option for copying path and save it in text document.

7. Now go to Control Panel -> User's account -> Credential Manager -> Window Credential
 From Generic Credential remove any existing GitHub account Credentials.

8. Go to the folder containing your project files. Right Click, and select 'Open Git Bash Here' from the pop up menu.

9. Run the following commands:

Initialize Git-

```
git init
```

See content of the directory-

```
dir
```

Add all files to the current working tree-

```
git add .
```

Status of the Working Tree-

```
git status
```

Set Global user Email-

```
git config --global user.email <user email address>
```

Set Global User Name-

```
git config --global user.name <username>
```

Commit changes to the working tree with a message-

```
git commit -m "<message>"
```

Add the repository address-

```
git remote add origin <https address of the repository>
```

Push The committed changes-

```
git push -u origin master
```

```
MINGW64:/c/Users/Meghana/Desktop/AWS

Meghana@DESKTOP-FBKGERS MINGW64 ~/Desktop/AWS
$ git init
Initialized empty Git repository in C:/Users/Meghana/Desktop/AWS/.git/

Meghana@DESKTOP-FBKGERS MINGW64 ~/Desktop/AWS (master)
$ dir
index.html  index1.html  index2.html

Meghana@DESKTOP-FBKGERS MINGW64 ~/Desktop/AWS (master)
$ git add .
warning: in the working copy of 'index.html', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'index1.html', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'index2.html', LF will be replaced by CRLF the next time Git touches it

Meghana@DESKTOP-FBKGERS MINGW64 ~/Desktop/AWS (master)
$ git status
On branch master

No commits yet

Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
        new file:   index.html
        new file:   index1.html
        new file:   index2.html


Meghana@DESKTOP-FBKGERS MINGW64 ~/Desktop/AWS (master)
$  git config --global user.email meghanachoudhary1504@gmail.com

Meghana@DESKTOP-FBKGERS MINGW64 ~/Desktop/AWS (master)
$  git config --global user.name meghana-choudhary

Meghana@DESKTOP-FBKGERS MINGW64 ~/Desktop/AWS (master)
$ git commit -m "Done"
[master (root-commit) 31d1c75] Done
 3 files changed, 40 insertions(+)
 create mode 100644 index.html
 create mode 100644 index1.html
 create mode 100644 index2.html

Meghana@DESKTOP-FBKGERS MINGW64 ~/Desktop/AWS (master)
$ git remote add origin https://github.com/meghana-choudhary/MyAws.git

Meghana@DESKTOP-FBKGERS MINGW64 ~/Desktop/AWS (master)
$ git push -u origin master
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 4 threads
Compressing objects: 100% (5/5), done.
Writing objects: 100% (5/5), 582 bytes | 582.00 KiB/s, done.
Total 5 (delta 1), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (1/1), done.
To https://github.com/meghana-choudhary/MyAws.git
 * [new branch]      master -> master
branch 'master' set up to track 'origin/master'.

Meghana@DESKTOP-FBKGERS MINGW64 ~/Desktop/AWS (master)
$ |
```
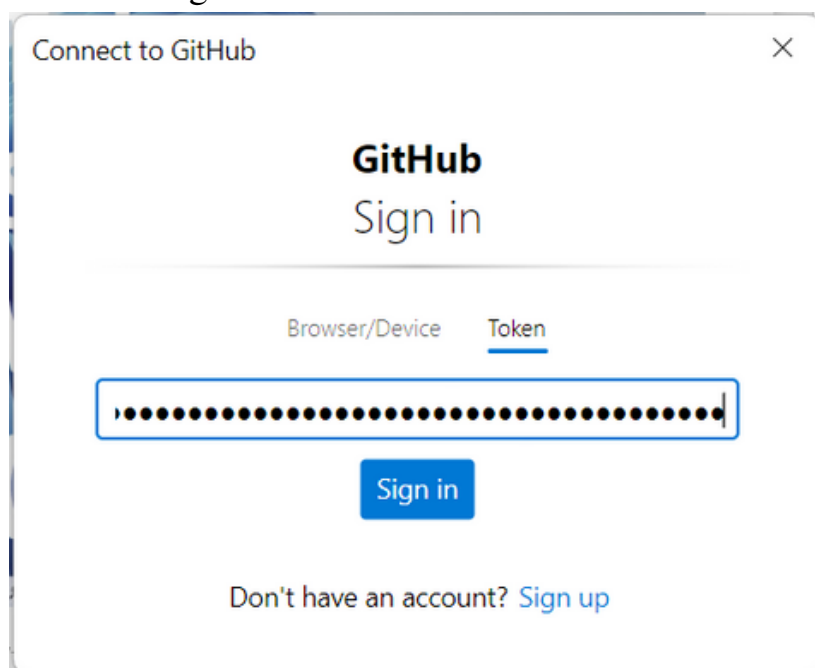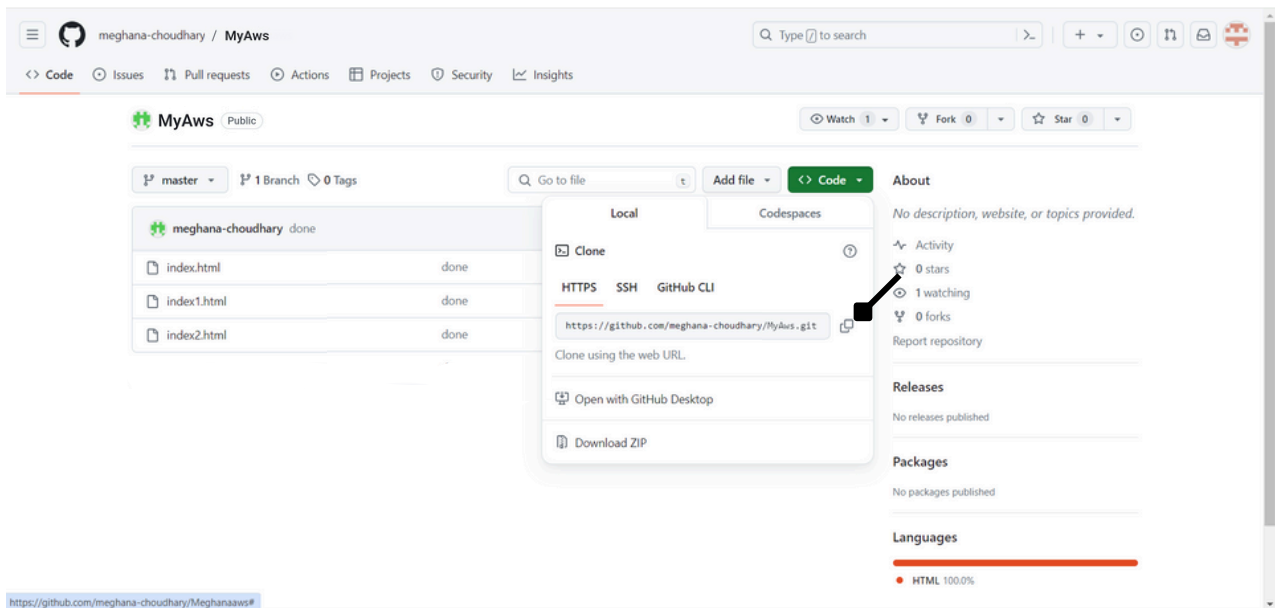
10. After last command a new connect to GitHub window opened. Go to token portion and paste there the copied path during token generation and pasted in text document. Click on sign in

11. Open the repository and see all files have been successfully added. Now click on code and copy the clone HTTPs.

12. Now make a new folder and open that with gitbash.
and Run the following commands.
 Initialize Git-

```
git init
```

Clone a Repository-

```
git clone <Repository address>
```

13. Repository copied into the new made folder..