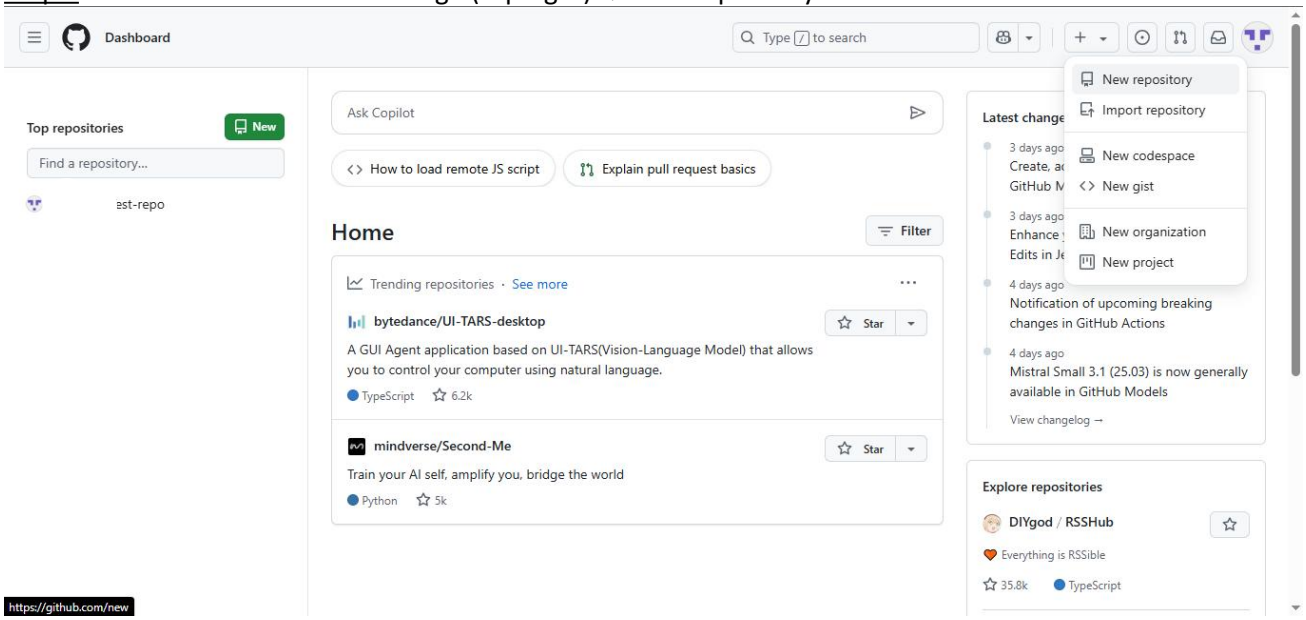
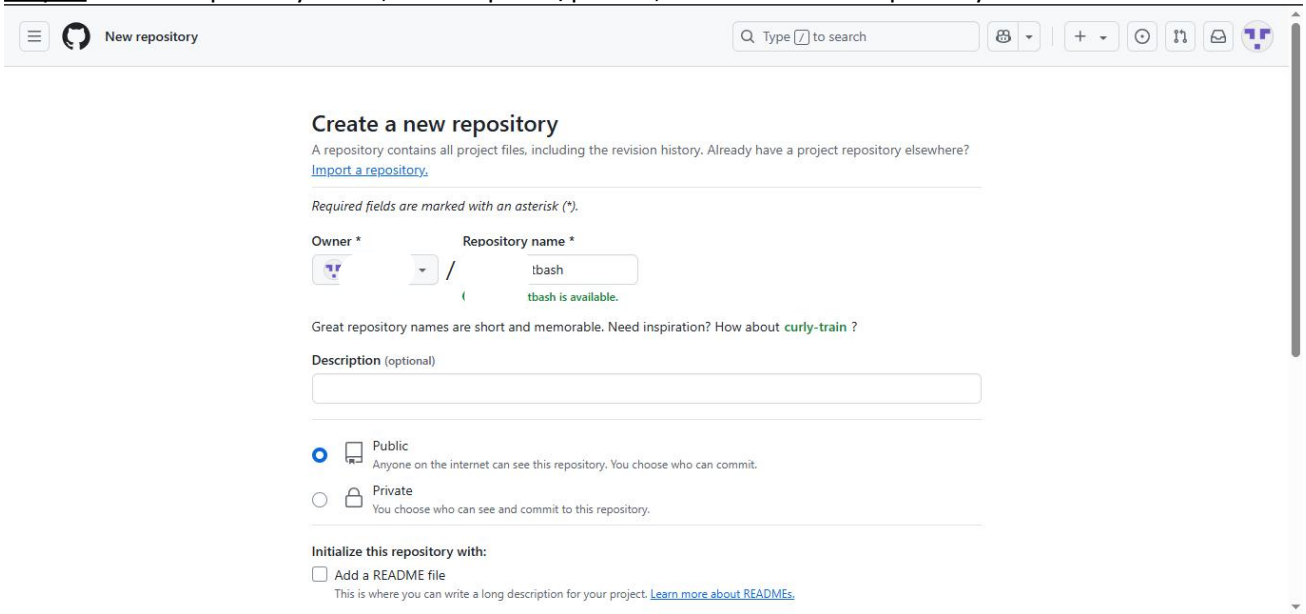
# Assignment : 8

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

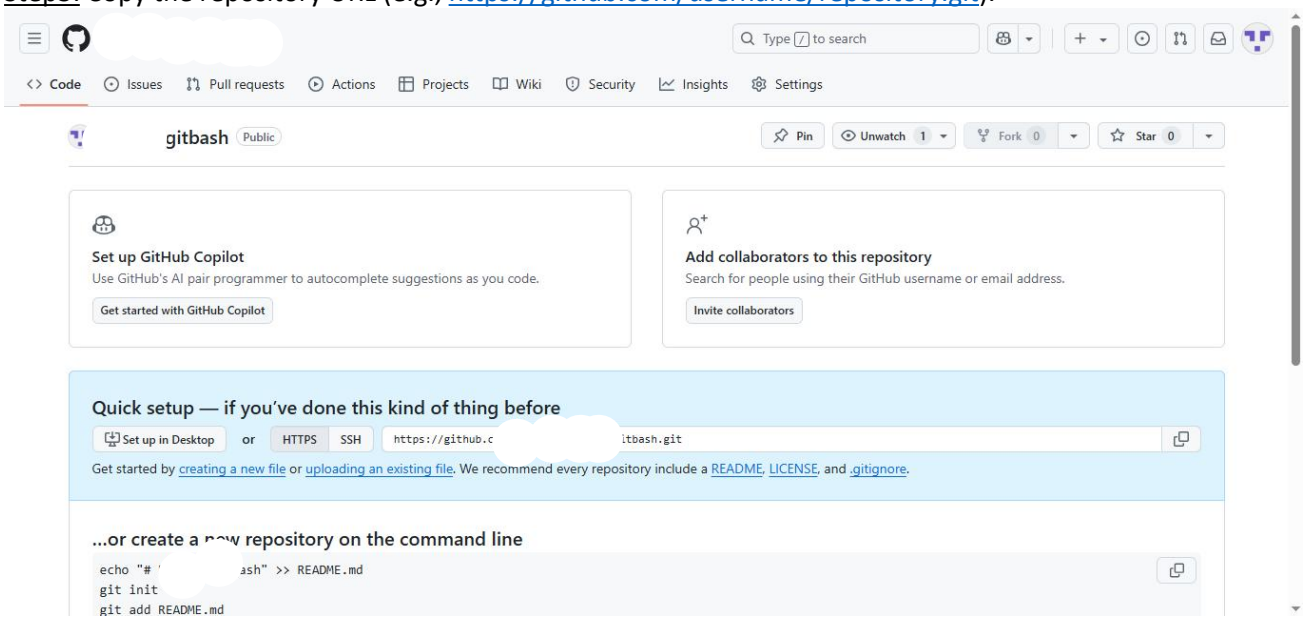
Step 1: Go to GitHub. Click the "+" sign (top right) → New repository.



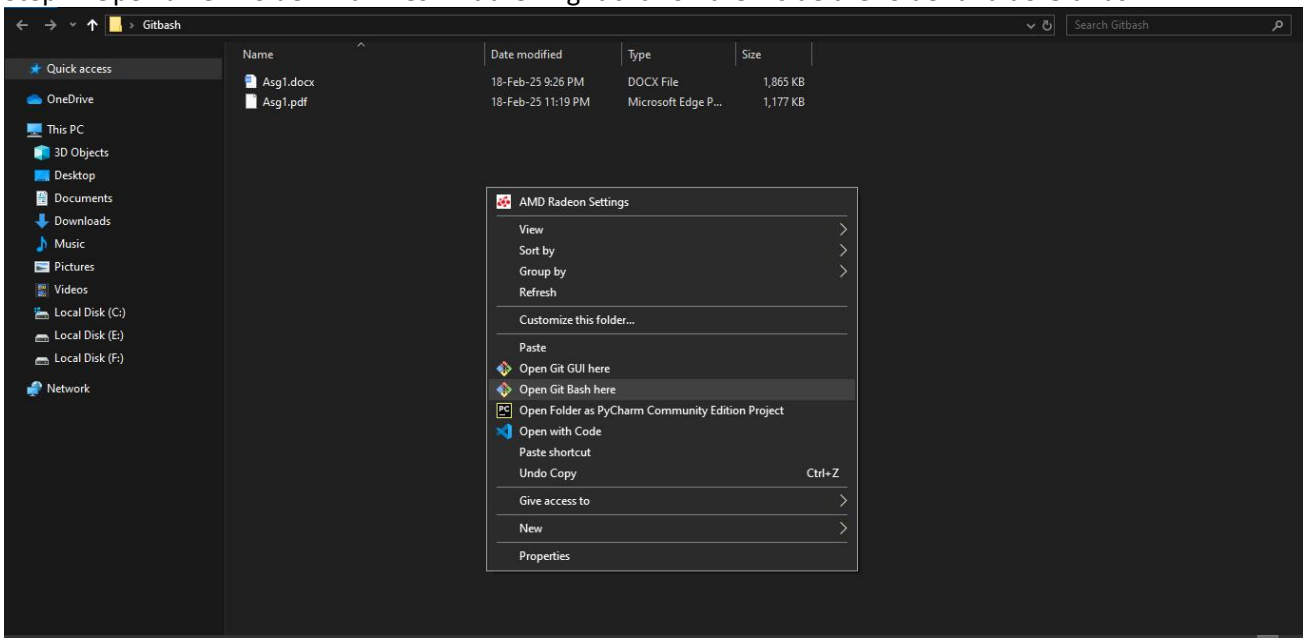

Step 2: Enter a repository name, choose public/private, and click Create repository.



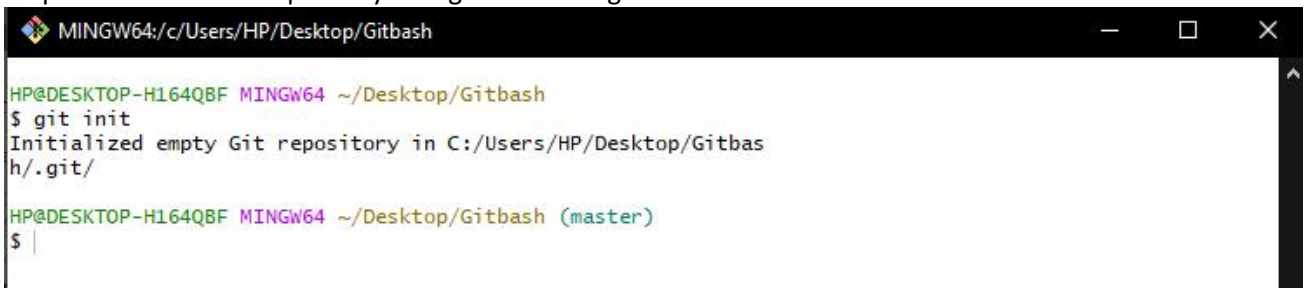

Step3: Copy the repository URL (e.g., https://github.com/username/repository.git).



Step 4: Open a new folder with files in it then right click on the inside the folder and do Git Bash.



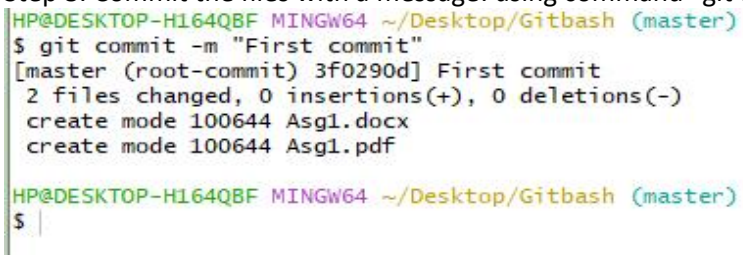

Step 5: Initialize a Git repository: using command “git init”.




Step 6: Add all project files to Git: using command “git add .”


Step 7: set your GitHub username and your email (use the email linked to GitHub): using commands: git config --global user.name "YourGitHubUsername” & git config --global user.email "youremail@example .com"


Step 8: Commit the files with a message: using command “git commit -m "Initial commit"



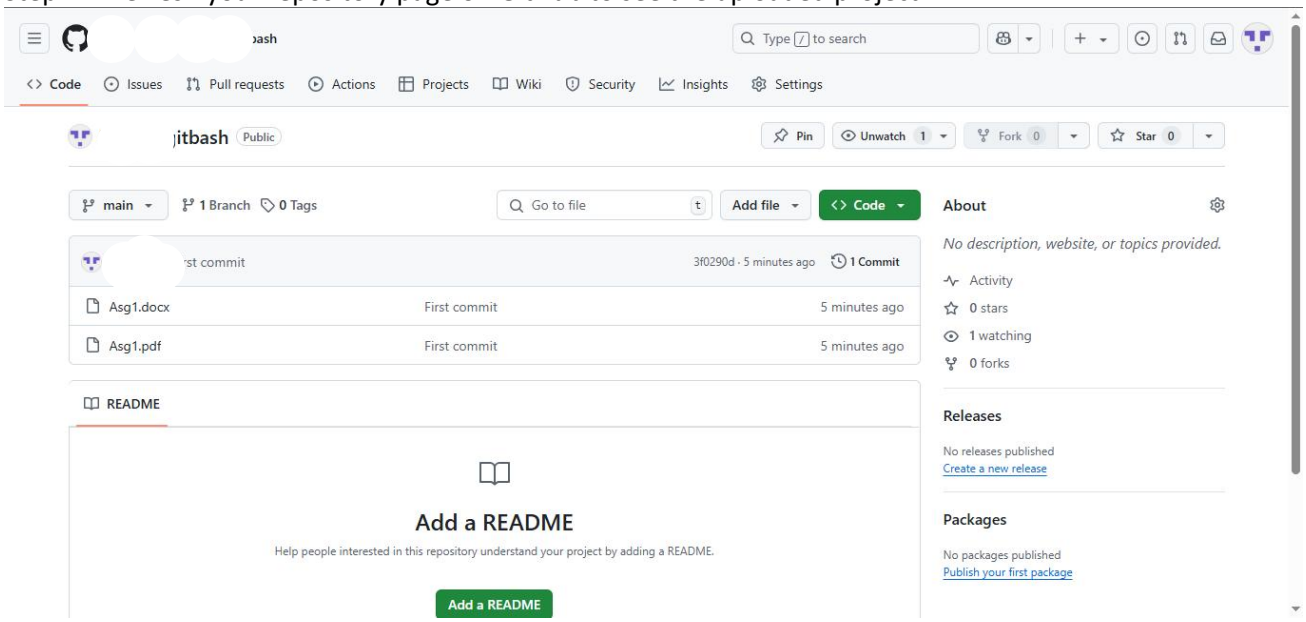
Step 9: Add the GitHub repository URL: using command “git remote add origin …”

```
HP@DESKTOP-H164QBF MINGW64 ~/Desktop/Gitbash (master)
$ git remote add origin https://github.com/        }/       _gitbash.git

HP@DESKTOP-H164QBF MINGW64 ~/Desktop/Gitbash (master)
$
```

Step 10: Push the files to GitHub:  using commands “git branch -M main” & “git push -u origin main”.

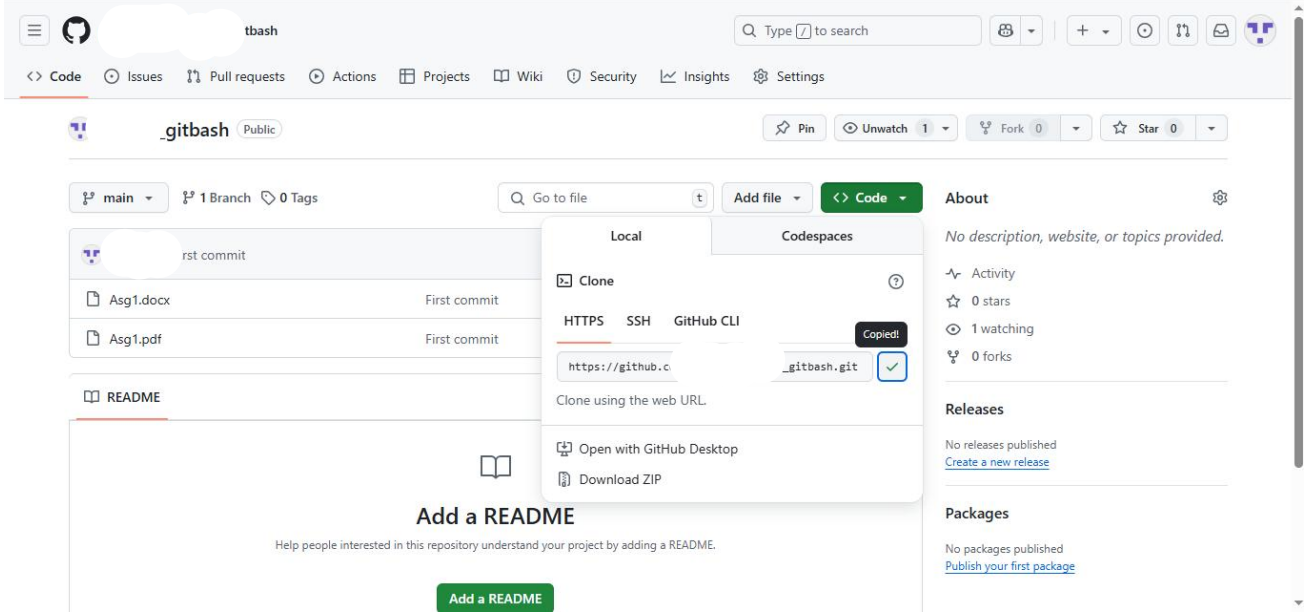
```
HP@DESKTOP-H164QBF MINGW64 ~/Desktop/Gitbash (main)
$ git push -u origin main
info: please complete authentication in your browser...
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 4 threads
Compressing objects: 100% (4/4), done.
Writing objects: 100% (4/4), 2.62 MiB | 1.21 MiB/s, done.
Total 4 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/         }/         jitbash.git
 * [new branch]      main -> main
branch 'main' set up to track 'origin/main'.

HP@DESKTOP-H164QBF MINGW64 ~/Desktop/Gitbash (main)
$
```

Step 11: Refresh your repository page on GitHub to see the uploaded project.



Cloning a GitHub Repository to Local Machine:

Step 1: Go to the GitHub repository you want to clone. Click the Code button and copy the HTTPS or SSH URL.




Step 2: Navigate to the directory where you want to store the project. Clone the repository: using the command “git clone …”

```
HP@DESKTOP-H164QBF MINGW64 ~/Desktop/Gitbash_New
$ git clone https://github.com/                _gitbash.git
Cloning into '      _gitbash'...
remote: Enumerating objects: 4, done.
remote: Counting objects: 100% (4/4), done.
remote: Compressing objects: 100% (4/4), done.
remote: Total 4 (delta 0), reused 4 (delta 0), pack-reused 0 (from 0)
Receiving objects: 100% (4/4), 2.62 MiB | 3.39 MiB/s, done.

HP@DESKTOP-H164QBF MINGW64 ~/Desktop/Gitbash_New
$
```

Step 3: Now check the files of the github repo that are cloned in Local Folder.

```
HP@DESKTOP-H164QBF MINGW64 ~/Desktop/Gitbash_New
$ ls
        `tbash/

HP@DESKTOP-H164QBF MINGW64 ~/Desktop/Gitbash_New
$ cd        _gitbash/

HP@DESKTOP-H164QBF MINGW64 ~/Desktop/Gitbash_New/Prasun_gitbash (main)
$ ls
Asg1.docx  Asg1.pdf

HP@DESKTOP-H164QBF MINGW64 ~/Desktop/Gitbash_New/Prasun_gitbash (main)
$
```