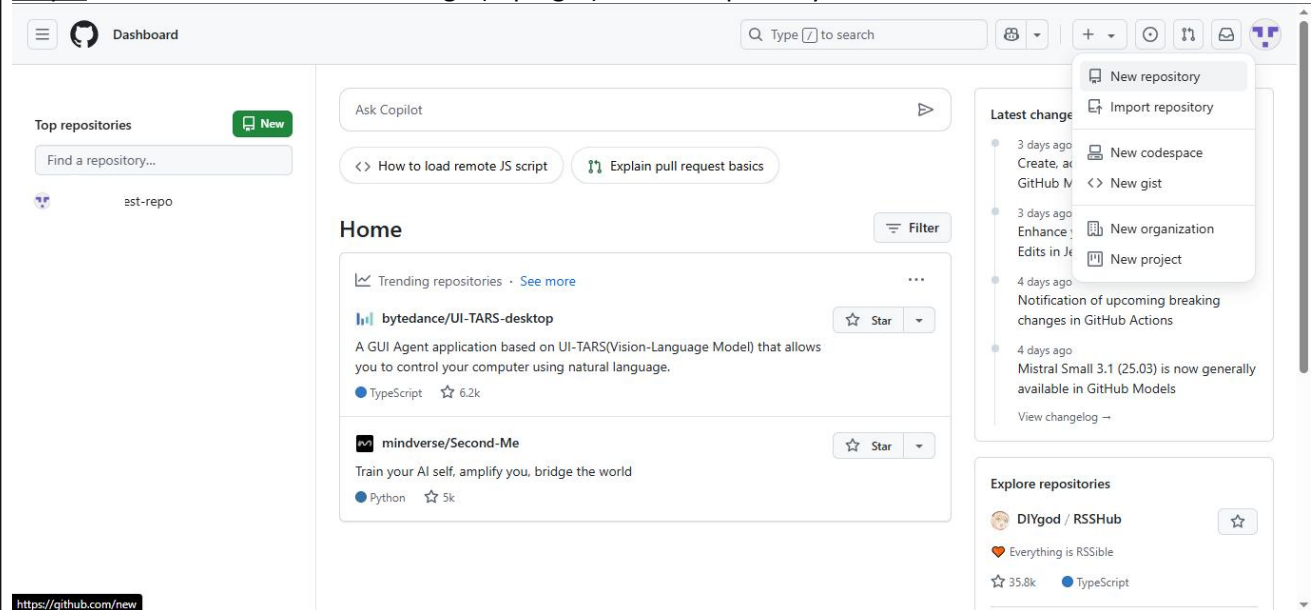


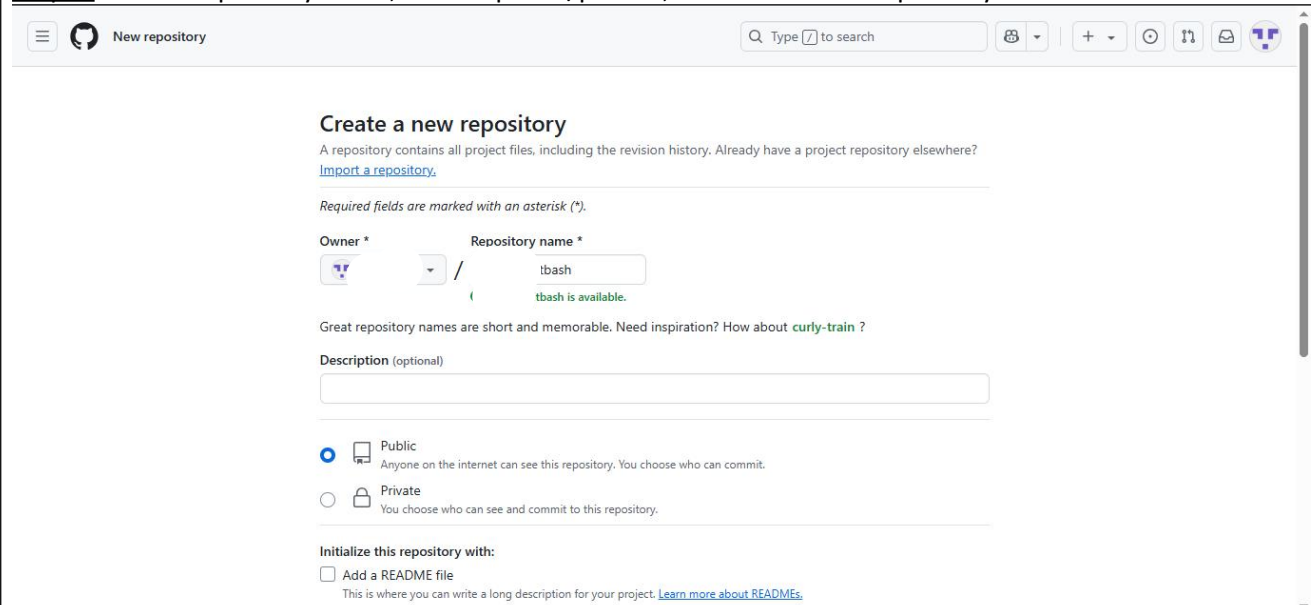
## Assignment : 8

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

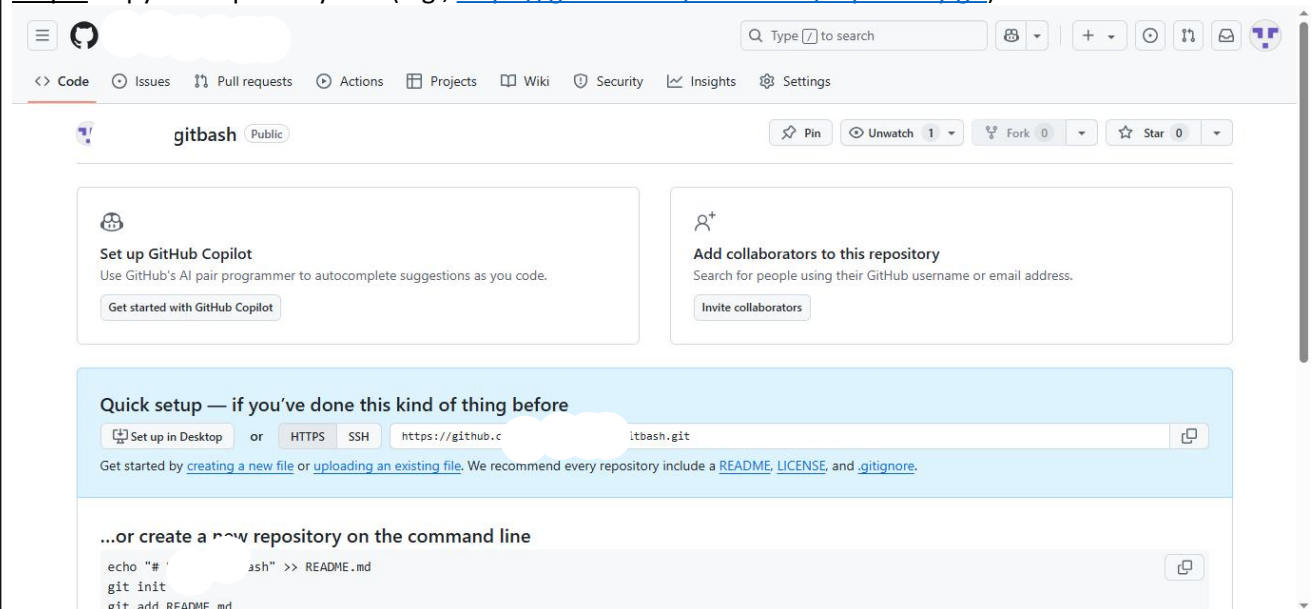
**Step 1:** Go to [GitHub](https://github.com). Click the "+" sign (top right) → New repository.



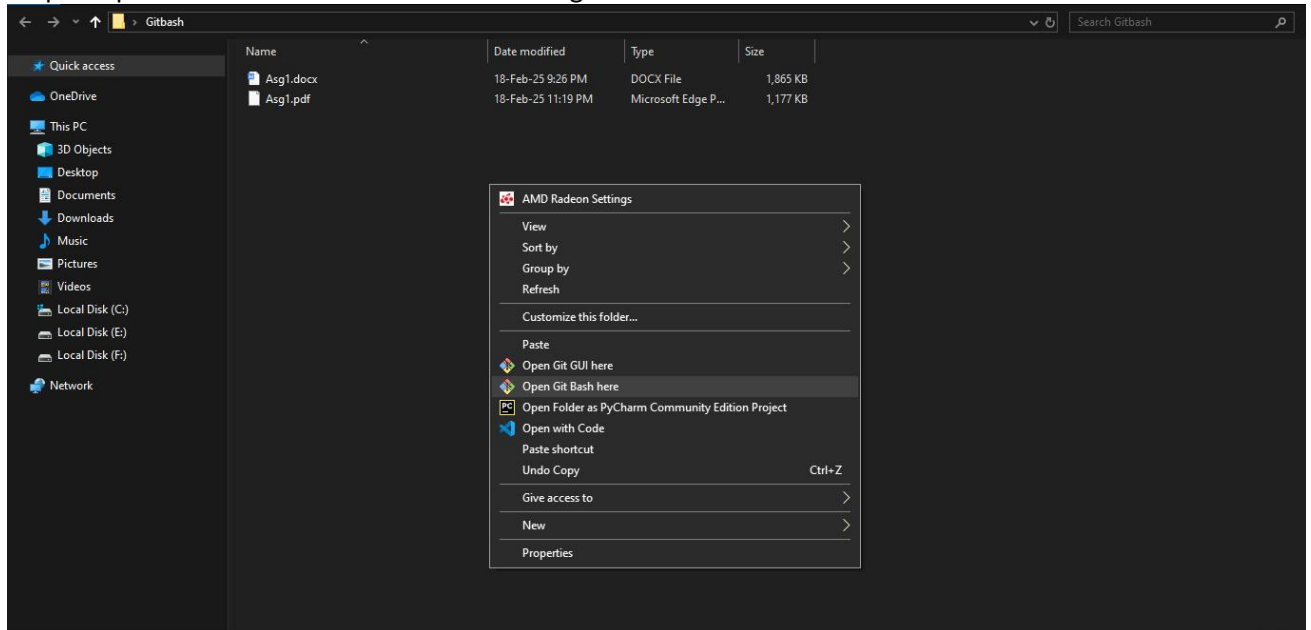
**Step 2:** Enter a repository name, choose public/private, and click Create repository.



**Step 3:** 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".

```
MINGW64:/c/Users/HP/Desktop/Gitbash
HP@DESKTOP-H164QBF MINGW64 ~/Desktop/Gitbash
$ git init
Initialized empty Git repository in C:/Users/HP/Desktop/Gitbas
h/.git/
HP@DESKTOP-H164QBF MINGW64 ~/Desktop/Gitbash (master)
$
```

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

```
MINGW64:/c/Users/HP/Desktop/Gitbash
HP@DESKTOP-H164QBF MINGW64 ~/Desktop/Gitbash
$ git init
Initialized empty Git repository in C:/Users/HP/Desktop/Gitbas
h/.git/
HP@DESKTOP-H164QBF MINGW64 ~/Desktop/Gitbash (master)
$ git add .
HP@DESKTOP-H164QBF MINGW64 ~/Desktop/Gitbash (master)
$
```

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"

```
HP@DESKTOP-H164QBF MINGW64 ~/Desktop/Gitbash (master)
$ git config --global user.email "yourmail@example.com"
HP@DESKTOP-H164QBF MINGW64 ~/Desktop/Gitbash (master)
$ git config --global user.name "YourGitHubUsername"
HP@DESKTOP-H164QBF MINGW64 ~/Desktop/Gitbash (master)
$
```

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

```
HP@DESKTOP-H164QBF MINGW64 ~/Desktop/Gitbash (master)
$ git commit -m "First commit"
[master (root-commit) 3f0290d] First commit
2 files changed, 0 insertions(+), 0 deletions(-)
create mode 100644 Asg1.docx
create mode 100644 Asg1.pdf
HP@DESKTOP-H164QBF MINGW64 ~/Desktop/Gitbash (master)
$
```

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

```
HP@DESKTOP-H164Q8F MINGW64 ~/Desktop/Gitbash (master)
$ git remote add origin https://github.com/      /      _gitbash.git

HP@DESKTOP-H164Q8F MINGW64 ~/Desktop/Gitbash (master)
$
```

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

```
HP@DESKTOP-H164Q8F 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/      /      _gitbash.git
* [new branch]      main -> main
branch 'main' set up to track 'origin/main'.

HP@DESKTOP-H164Q8F MINGW64 ~/Desktop/Gitbash (main)
$
```

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

The screenshot shows the GitHub interface for a repository named 'gitbash'. The repository is public and has 1 branch (main) and 0 tags. It shows a commit history with two files: 'Asg1.docx' and 'Asg1.pdf', both committed 5 minutes ago. The repository has 0 stars, 1 watcher, and 0 forks. The 'About' section is empty. The 'Releases' section shows no releases published. The 'Packages' section shows no packages published. The 'README' section is empty, with a prompt to 'Add a README'.

Repository: gitbash (Public)

main 1 Branch 0 Tags

Go to file t Add file <> Code

1st commit 3f0290d · 5 minutes ago 1 Commit

File	Commit	Time
Asg1.docx	First commit	5 minutes ago
Asg1.pdf	First commit	5 minutes ago

README

Add a README

Help people interested in this repository understand your project by adding a README.

Add a README

About

No description, website, or topics provided.

Activity

0 stars

1 watching

0 forks

Releases

No releases published

Create a new release

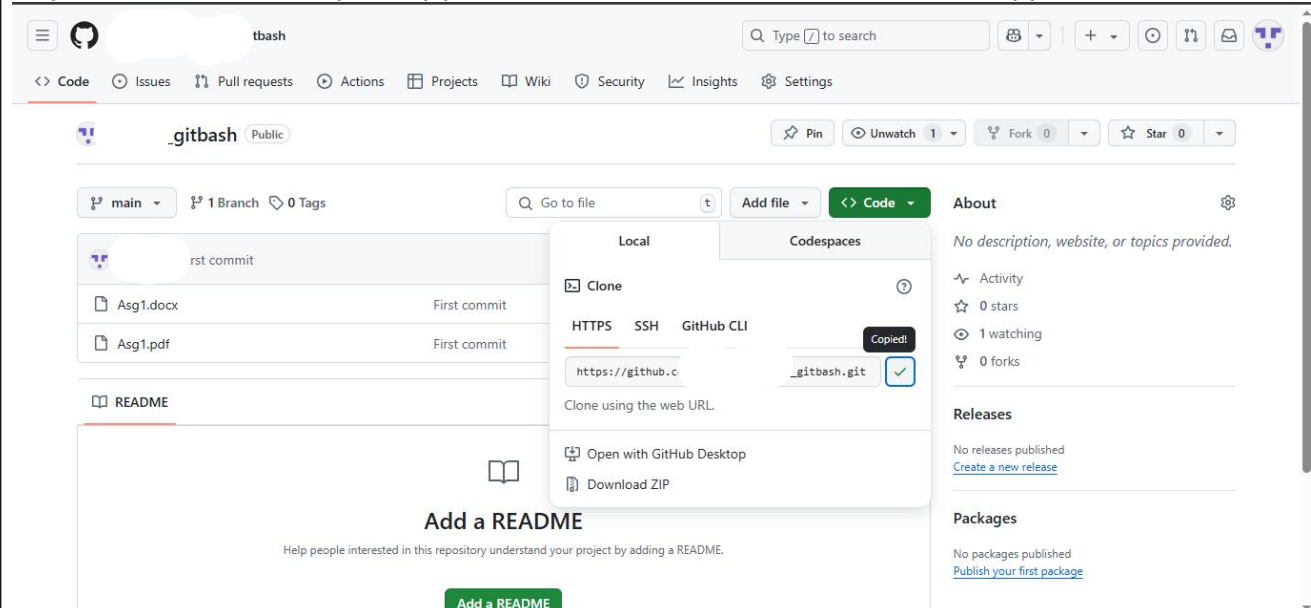
Packages

No packages published

Publish your first package

## 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-H164Q8F MINGW64 ~/Desktop/Gitbash_New
$ git clone https://github.com/tbash/_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-H164Q8F MINGW64 ~/Desktop/Gitbash_New
$
```

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

```
HP@DESKTOP-H164Q8F MINGW64 ~/Desktop/Gitbash_New
$ ls
_gitbash/

HP@DESKTOP-H164Q8F MINGW64 ~/Desktop/Gitbash_New
$ cd _gitbash/

HP@DESKTOP-H164Q8F MINGW64 ~/Desktop/Gitbash_New/Prasun_gitbash (main)
$ ls
Asg1.docx  Asg1.pdf

HP@DESKTOP-H164Q8F MINGW64 ~/Desktop/Gitbash_New/Prasun_gitbash (main)
$
```

