University Assignment : 2a

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Class : T.E IT B

Subject : Web Application Development

Steps for creating git account :

1. Visit the GitHub Website.

- Open your web browser and go to GitHub's website.

2. Sign Up for an Account.

- On the GitHub homepage, you'll see a “Sign up” button in the upper right corner of the page. Click on it.

3. Enter Your Details.

- Username: Choose a unique username that will represent you on GitHub
- Email Address: Provide a valid email address.
- Password: Create a secure password.

4. Verify Your Email Address.

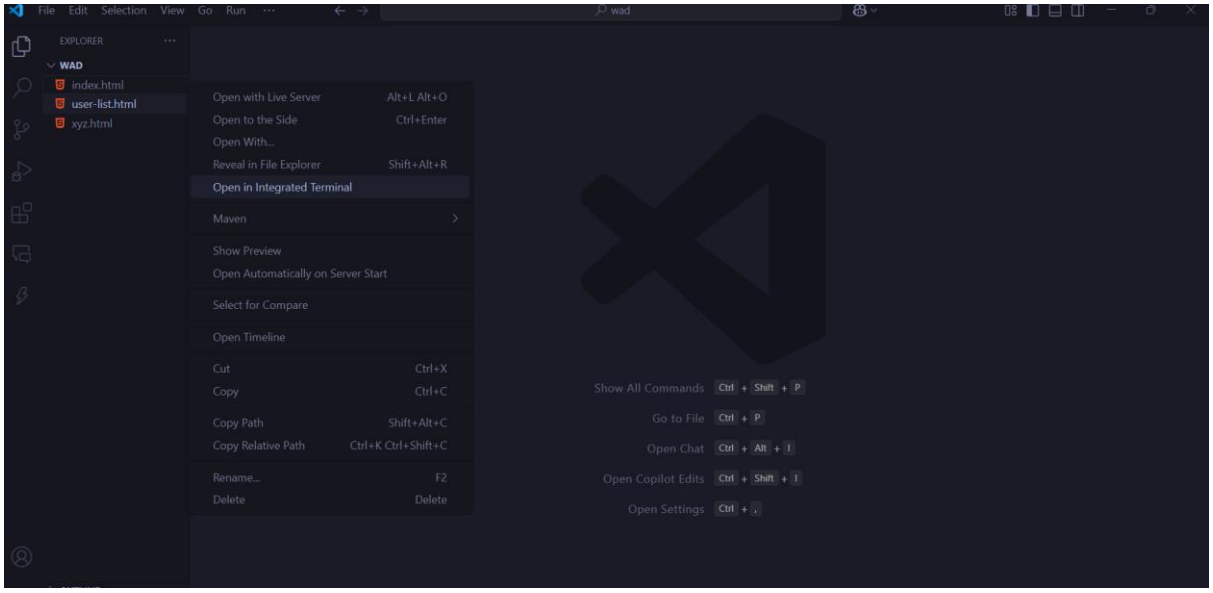
5. Install Git on Your Local Machine.

   If you haven't already installed Git, you'll need it to interact with GitHub repositories from your computer.

Steps for creating git repository :

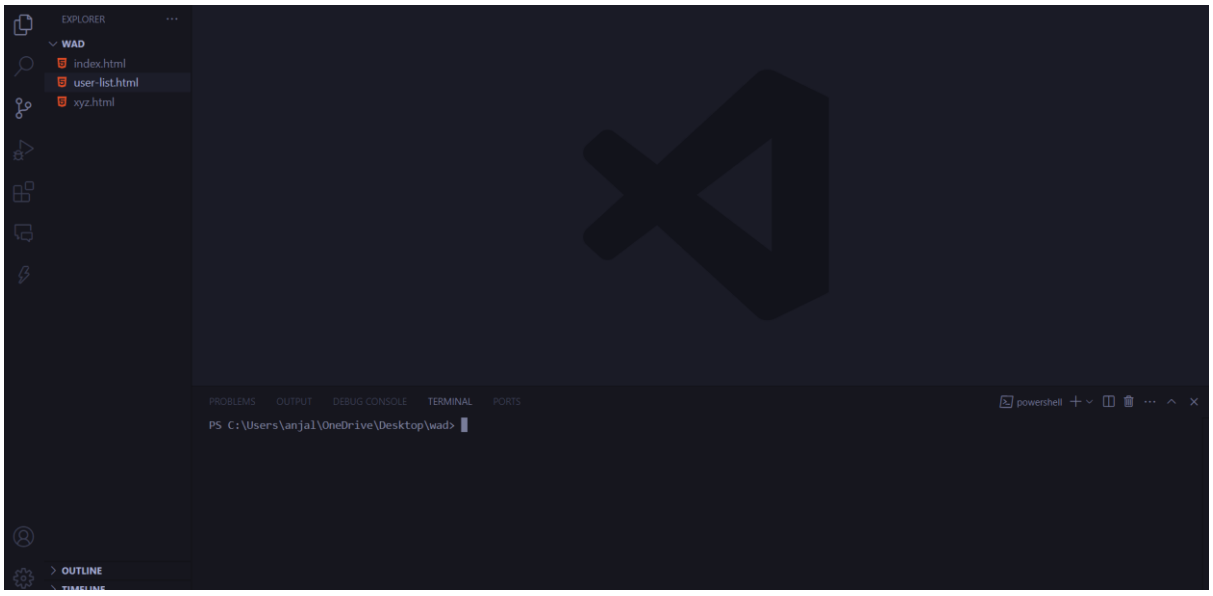
Local repository :

1. Open VSCode and go to the View menu > Terminal to open the integrated terminal.



2. In the terminal, navigate to the folder where you want to clone the repository:

```
cd path/to/your/folder
```



3. Initialize git in specified folder

   git init..

4. Run the following command to clone the repository :

   git clone https://github.com/username/repository-name.git

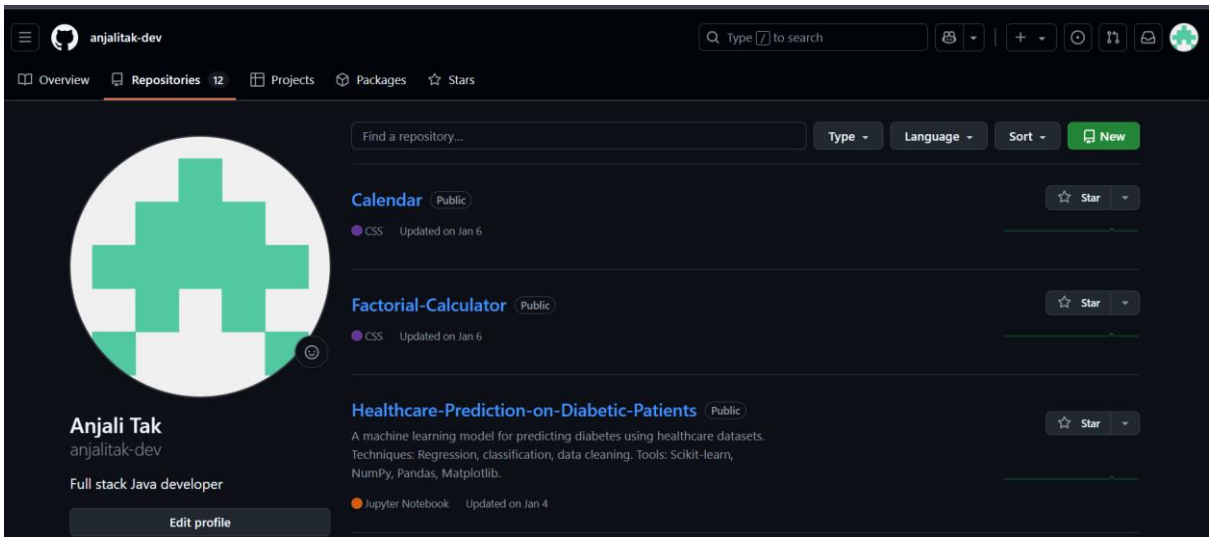
```
PS D:\Z2waste> git init
Initialized empty Git repository in D:/Z2waste/.git/
PS D:\Z2waste> git clone https://github.com/Kailash0303/wad2.git
Cloning into 'wad2'...
remote: Enumerating objects: 17, done.
remote: Counting objects: 100% (17/17), done.
remote: Compressing objects: 100% (13/13), done.
remote: Total 17 (delta 3), reused 0 (delta 0), pack-reused 0 (from 0)
Receiving objects: 100% (17/17), 8.56 KiB | 730.00 KiB/s, done.
Resolving deltas: 100% (3/3), done.
PS D:\Z2waste>
Cloning into 'wad2'...
remote: Enumerating objects: 17, done.
remote: Counting objects: 100% (17/17), done.
remote: Compressing objects: 100% (13/13), done.
remote: Total 17 (delta 3), reused 0 (delta 0), pack-reused 0 (from 0)
Receiving objects: 100% (17/17), 8.56 KiB | 730.00 KiB/s, done.
remote: Total 17 (delta 3), reused 0 (delta 0), pack-reused 0 (from 0)
Receiving objects: 100% (17/17), 8.56 KiB | 730.00 KiB/s, done.
Resolving deltas: 100% (3/3), done.
```

5. After cloning, you can open the project folder in VSCode :

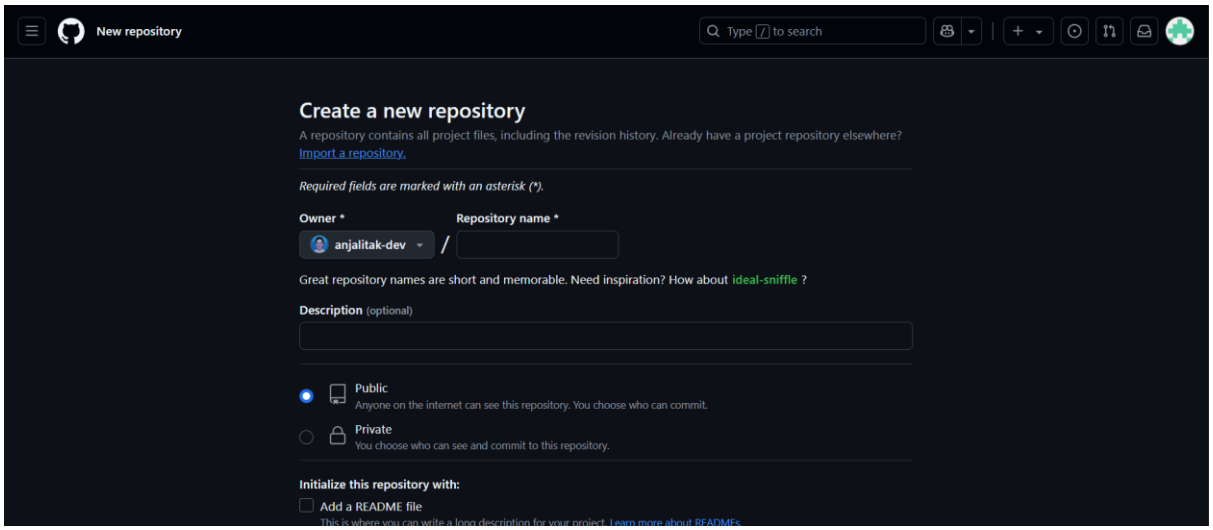
   code repository-name

Global repository :

Step 1: Sign Up / Log In to GitHub



Step 2: Create a New Repository on GitHub



Step 3: Link Your Local Repository to GitHub

- Add the remote URL

  git remote add originhttps://github.com/yourname/yourrepositoryname.git

- If needed update branch name

  git branch -M main

Step 4: Follow the below steps for adding :

- Add the File to Staging :

  git add filename.ext

- Commit the File :

  git commit -m "Added new file"

- Push to GitHub :

  git push origin main

```
PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL  PORTS                    powershell

PS D:\COURSES\WEB DEV\JAVASCRIPT>
PS D:\COURSES\WEB DEV\JAVASCRIPT> git add .\API\app.js
PS D:\COURSES\WEB DEV\JAVASCRIPT> git commit -m "added App.js File"
[main 9491086] added App.js File
 1 file changed, 2 insertions(+)
PS D:\COURSES\WEB DEV\JAVASCRIPT> git push -u origin main
Enumerating objects: 7, done.
Counting objects: 100% (7/7), done.
Delta compression using up to 12 threads
Compressing objects: 100% (4/4), done.
Writing objects: 100% (4/4), 391 bytes | 39.00 KiB/s, done.
Total 4 (delta 2), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (2/2), completed with 2 local objects.
To https://github.com/Kailash0303/JAVASCRIPT.git
   74f6d2e..9491086  main -> main
branch 'main' set up to track 'origin/main'.
PS D:\COURSES\WEB DEV\JAVASCRIPT>
```

Step 5: Check the github in browser to verify the updates and commit history.