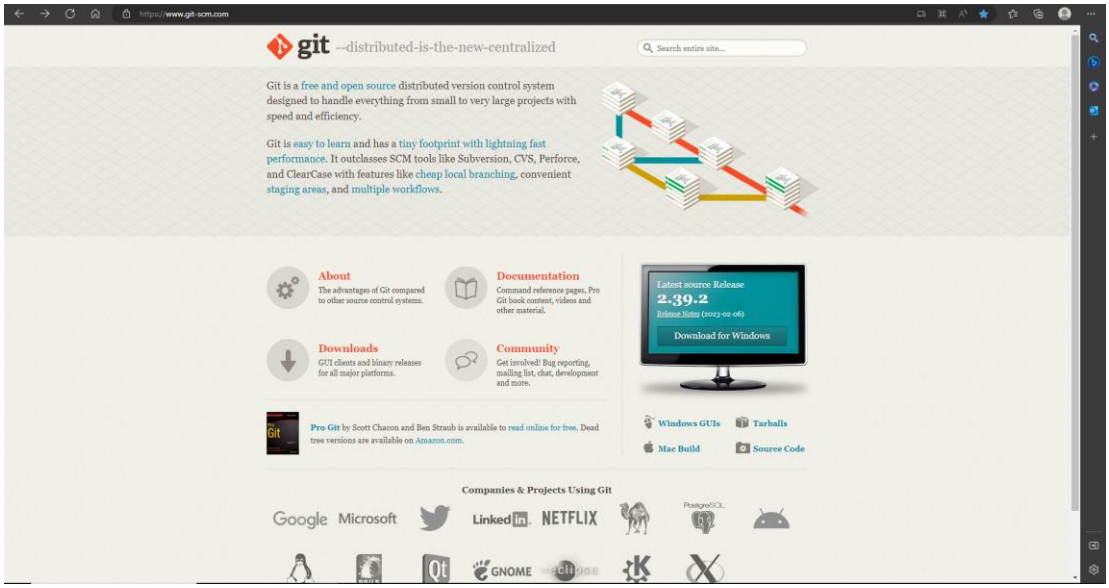
Devops Assignments- Module 1- Working with Git & GitHub

Assignment 1- Installing and Configuring Git.txt

Git :- Git is an Utility which helps to perform CRUD operations on local machines.

CURD -> Create, Read, Update, Delete

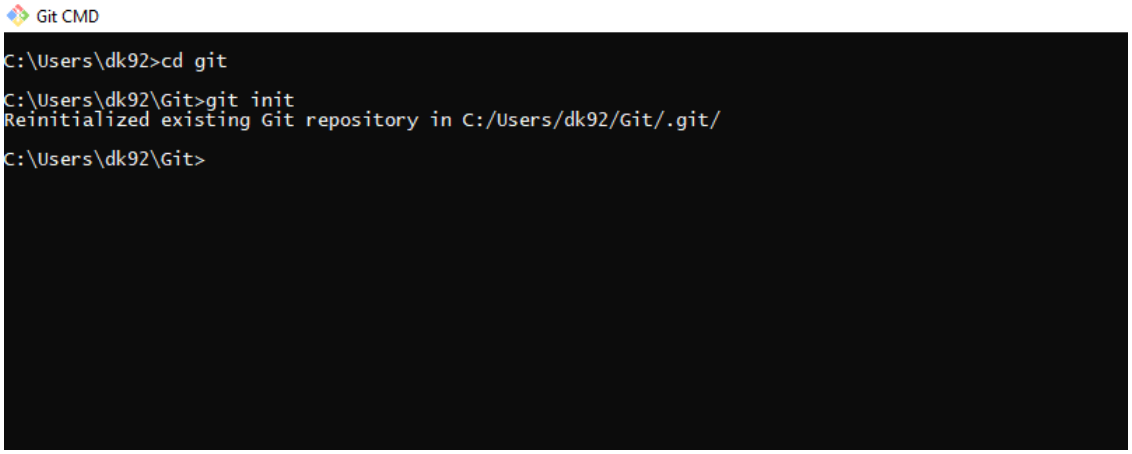
1) To install Git here is the official website :- https://www.git-scm.com/

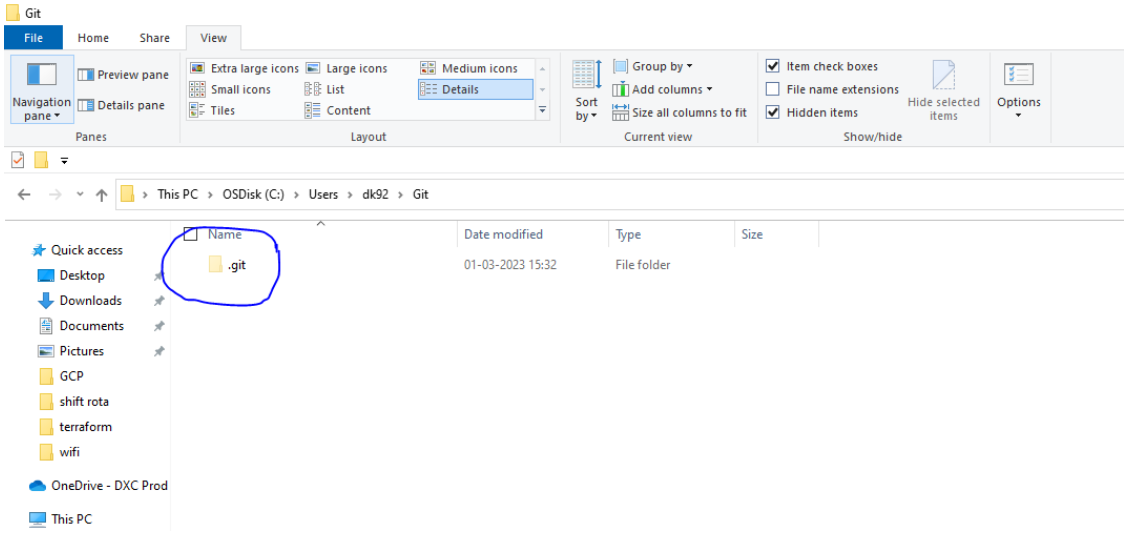


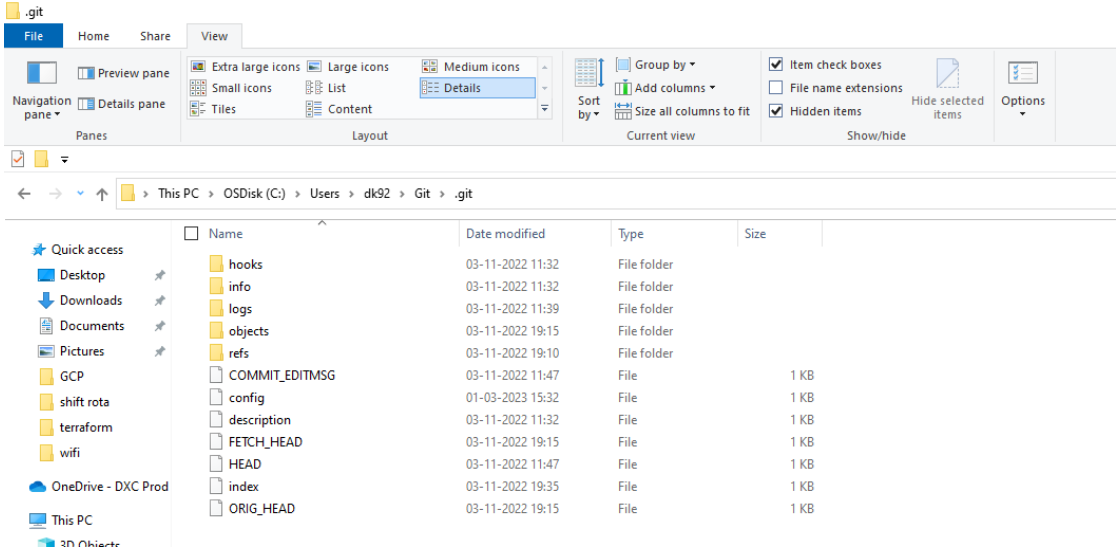
2) Git has been successfully Installed.

3) To Initialize the git repository:-

- Command → git init







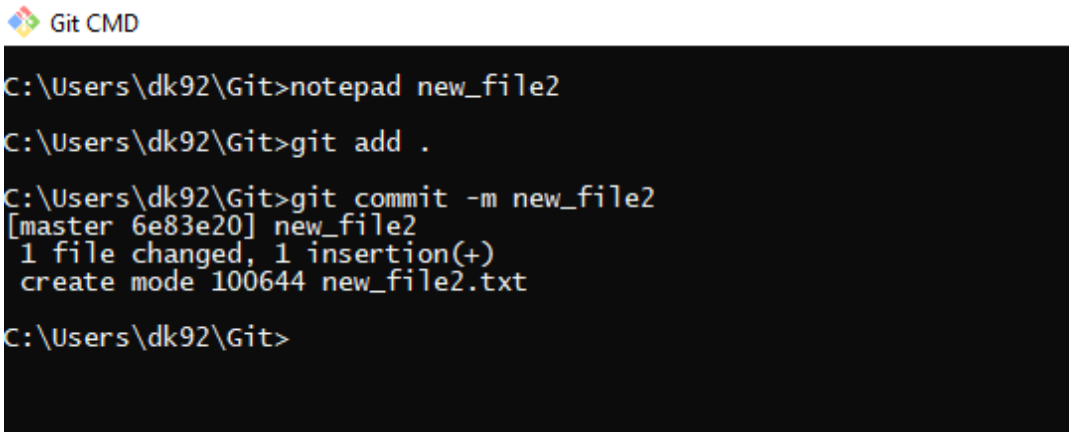
Here: -

- Git folder → is a Working Directory.

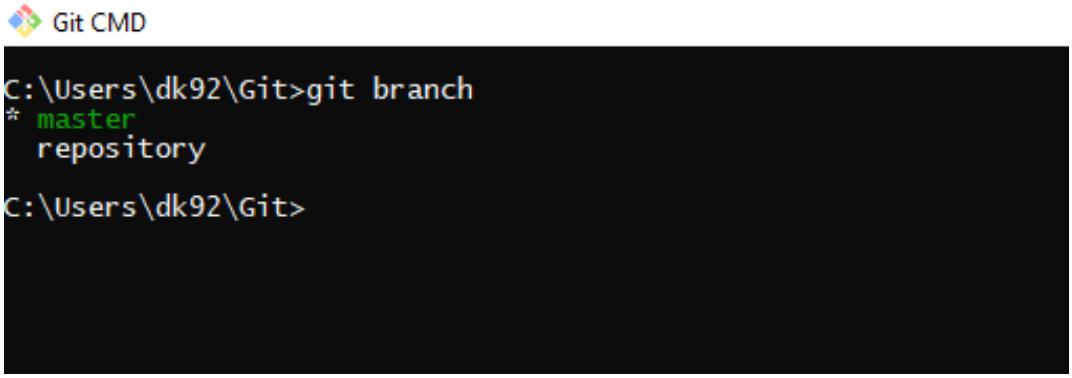
- .git folder → is a Local Repository.

Git Commands: -

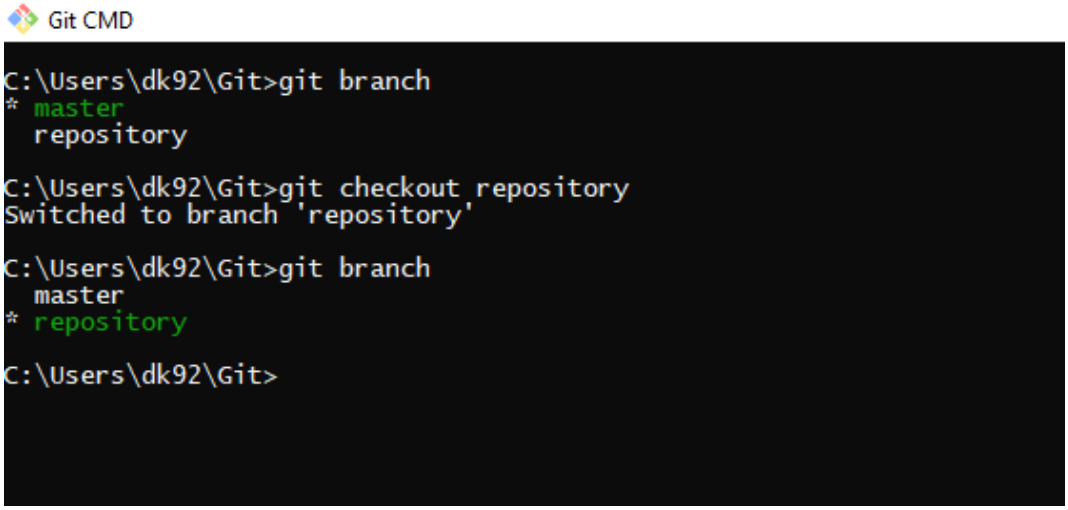
- Git add → to add a new file.
- Git commit -m “file_name” → to add a new file to git’s local repository.



- Git branch → to view branch



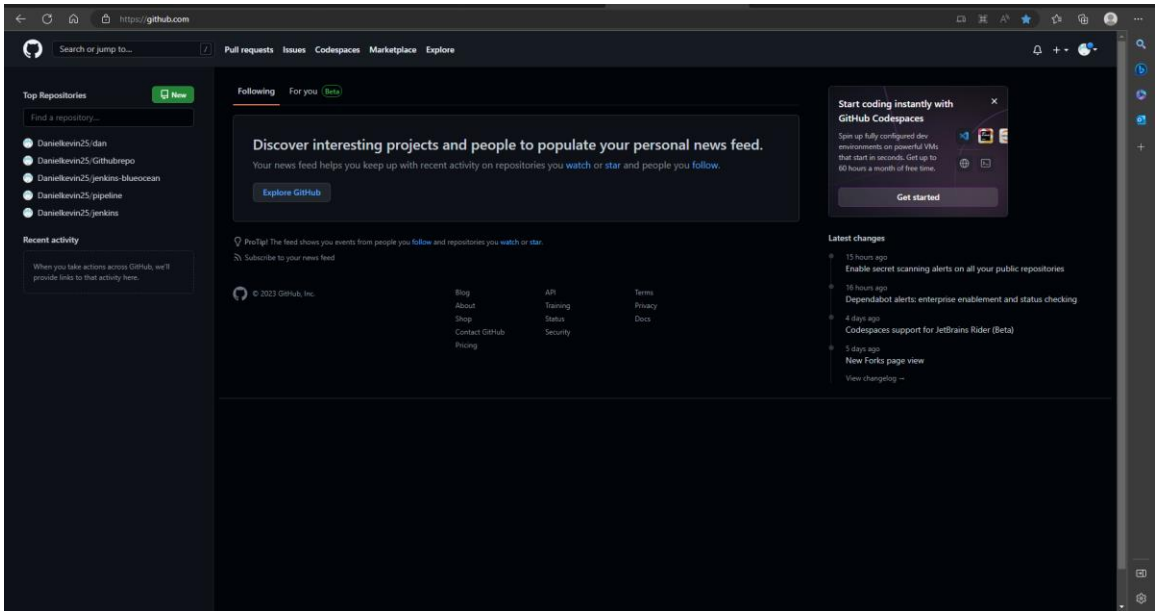
- Git branch “branch_name” → to create a new branch.
- Git checkout “branch_name” → to switch between branch.



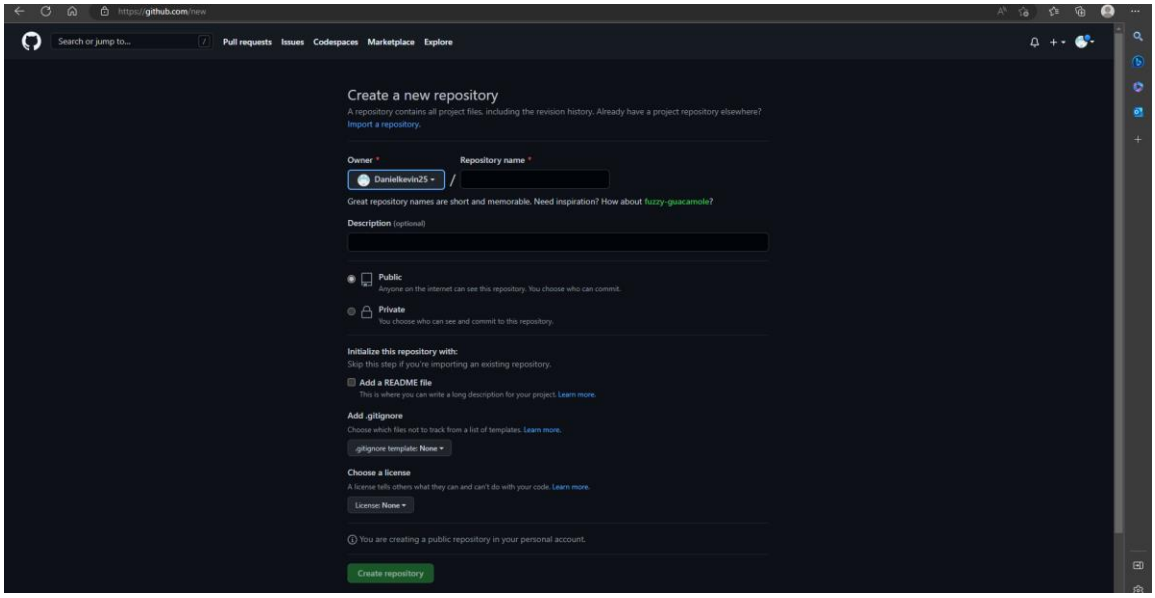
- Git merge “branch_name” → to merge branch.

Github

Here is the Official website for GitHub :- https://github.com/



1) Here we can create new Repository.



2) To connect to git create a SSH key :-

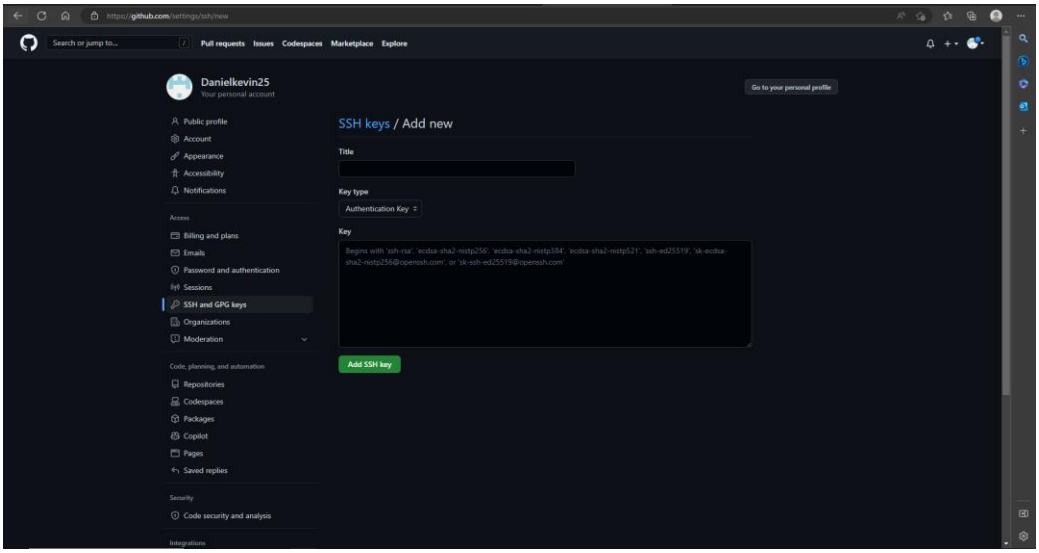
- Command →ssh-keygen

Git CMD

```
C:\Users\dk92\Git>ssh-keygen
Generating public/private rsa key pair.
Enter file in which to save the key (C:\Users\dk92/.ssh/id_rsa): dankey
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in dankey.
Your public key has been saved in dankey.pub.
The key fingerprint is:
SHA256:6rh82eydhVFFo1tHvza+VsxTSMda1kzSt64cAI63jp0 ead\dk92@IN-PF1C3PKK
The key's randomart image is:
+---[RSA 3072]----+
|           .==+|
|          .   o.+@|
|        o . o..*=|
|       . o o oooo|
|        S o o .*.|
|       . . o .oo=|
|      .++ o o o.o|
|    . oo.oE o o ..|
|     +o... o    .. |
+----[SHA256]-----+

C:\Users\dk92\Git>
```

Open the file in notepad and paste it in github SSH and GPG keys



Here is my GitHub Repository:-