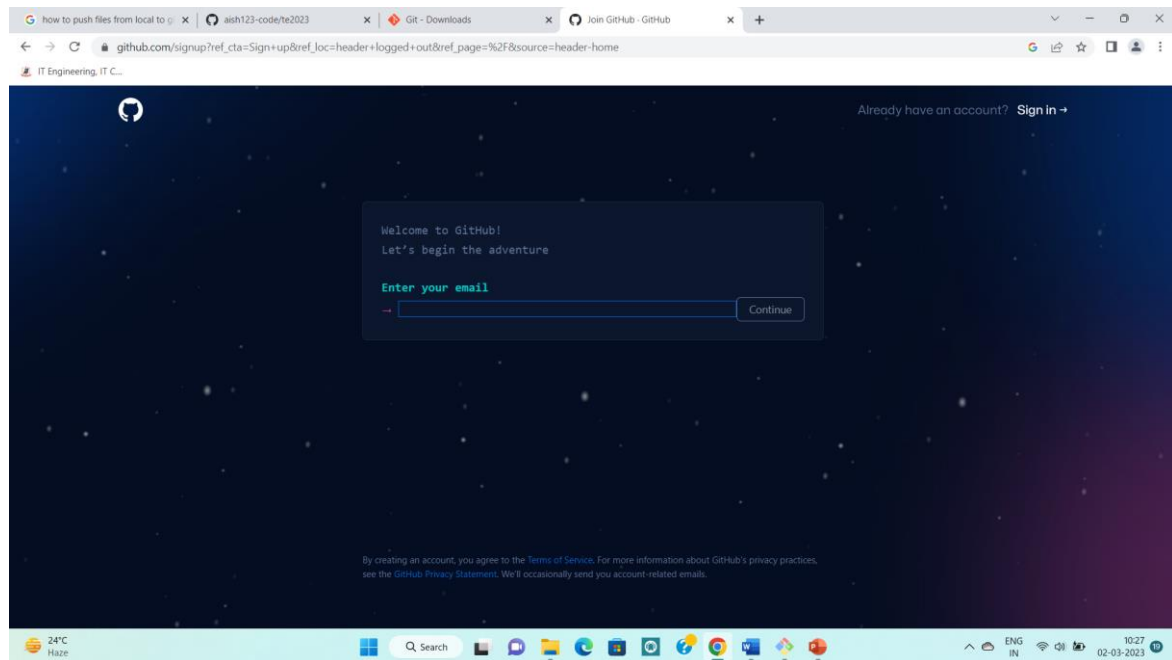## Aim:

Create version control account on GitHub and using Git commands to create repository and push your code to GitHub.
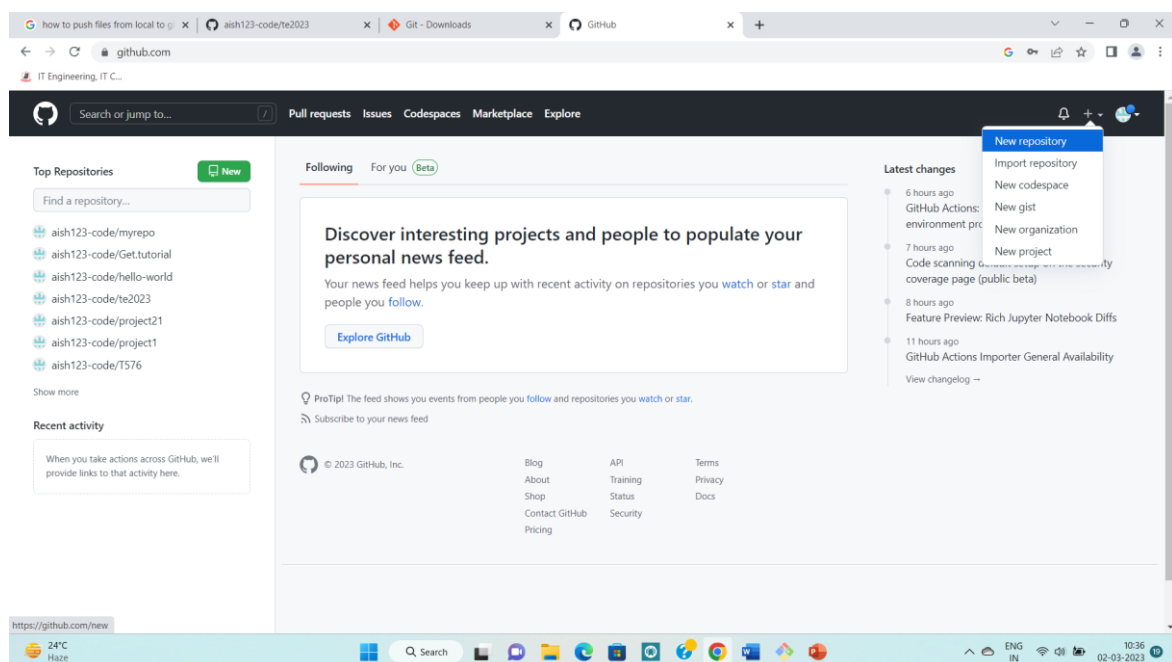
Implementation Steps:
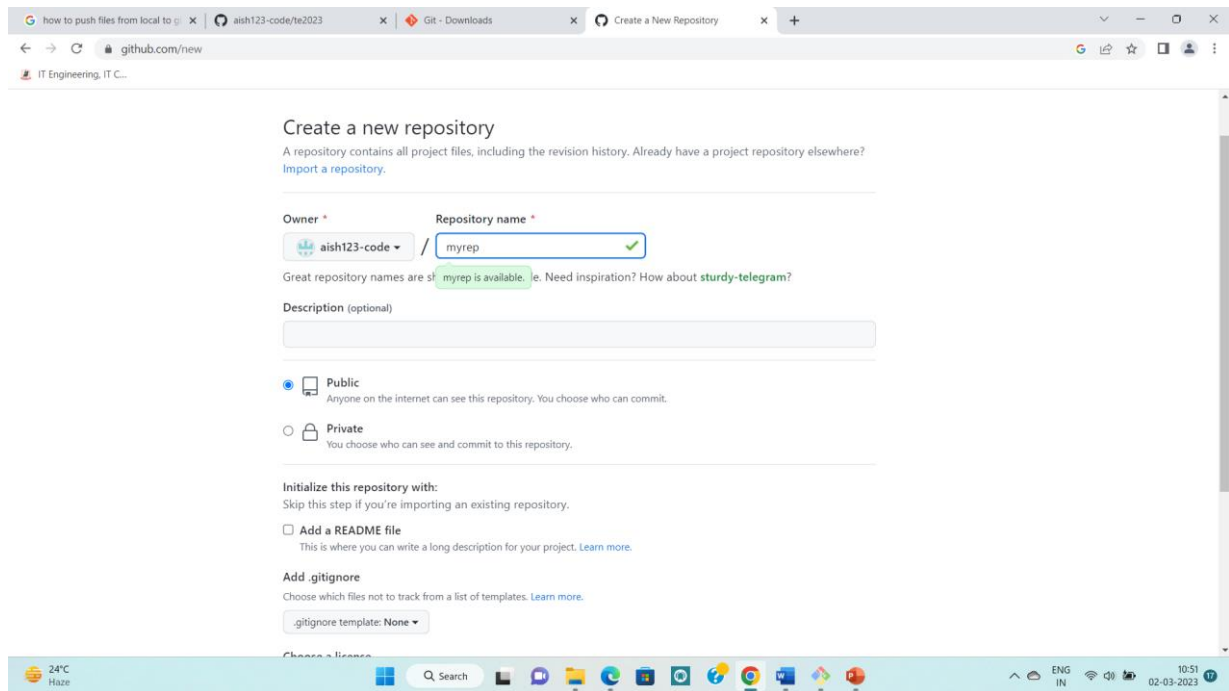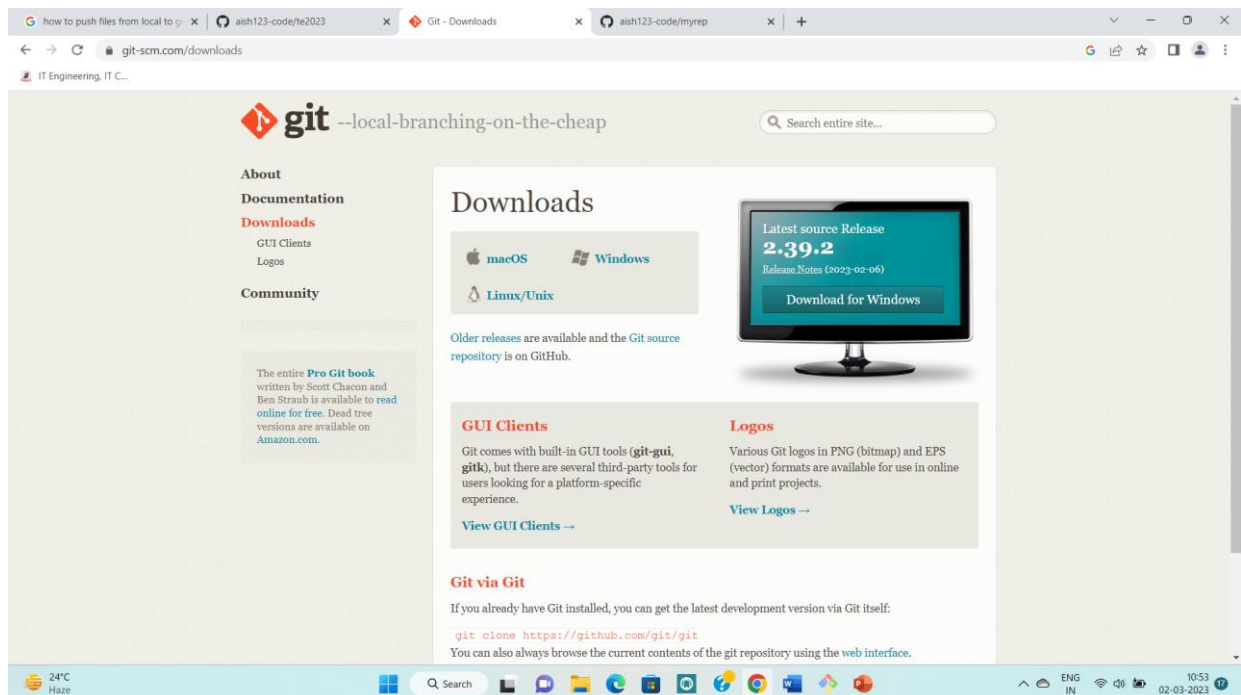
Step 1: Create account on GitHub.

Link: github.com
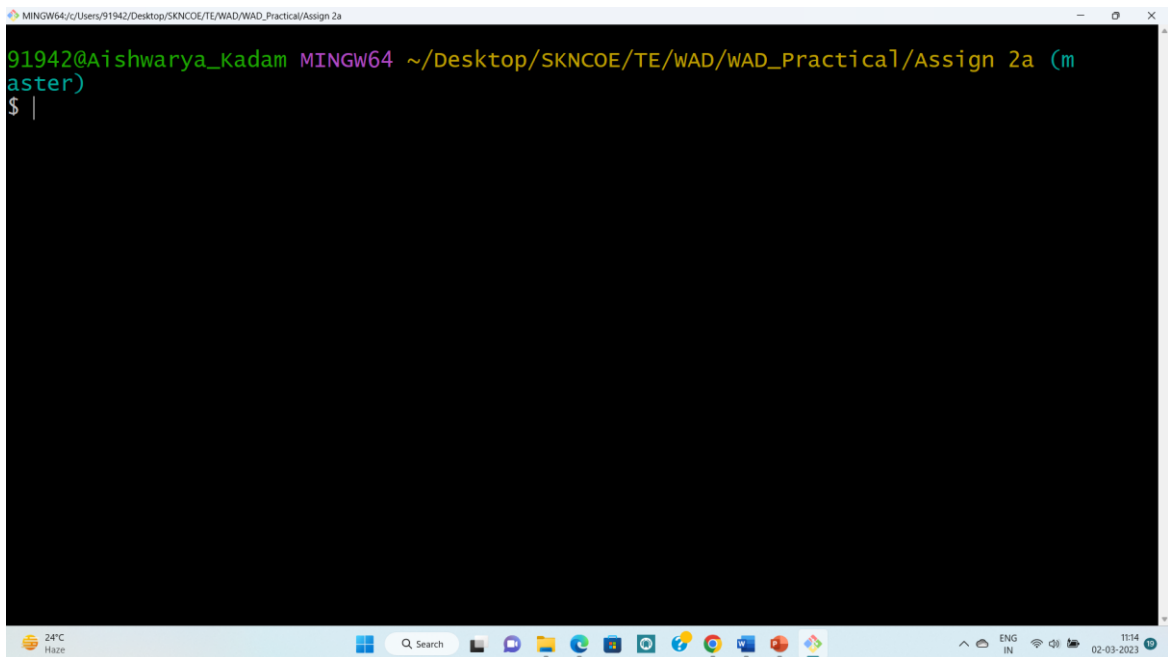

Step 2: Create a remote repository in GitHub

Step 3: Download Git Bash

Link: https://git-scm.com/downloads
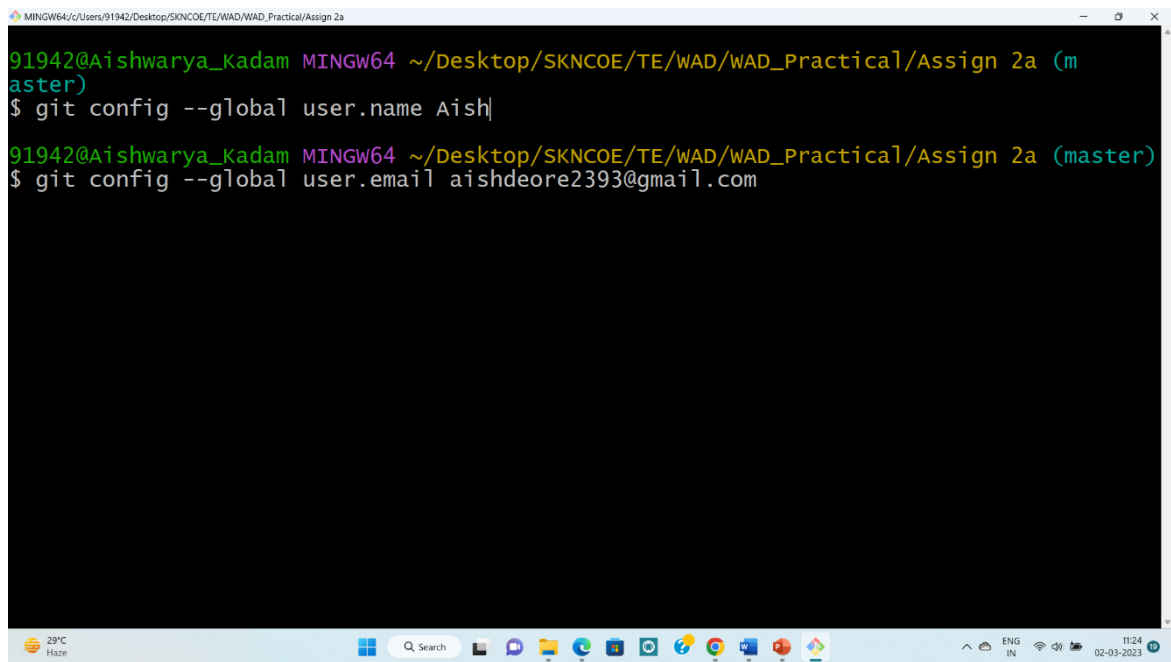
Step 4: Create Local Git Repository

1) Open Git Bash
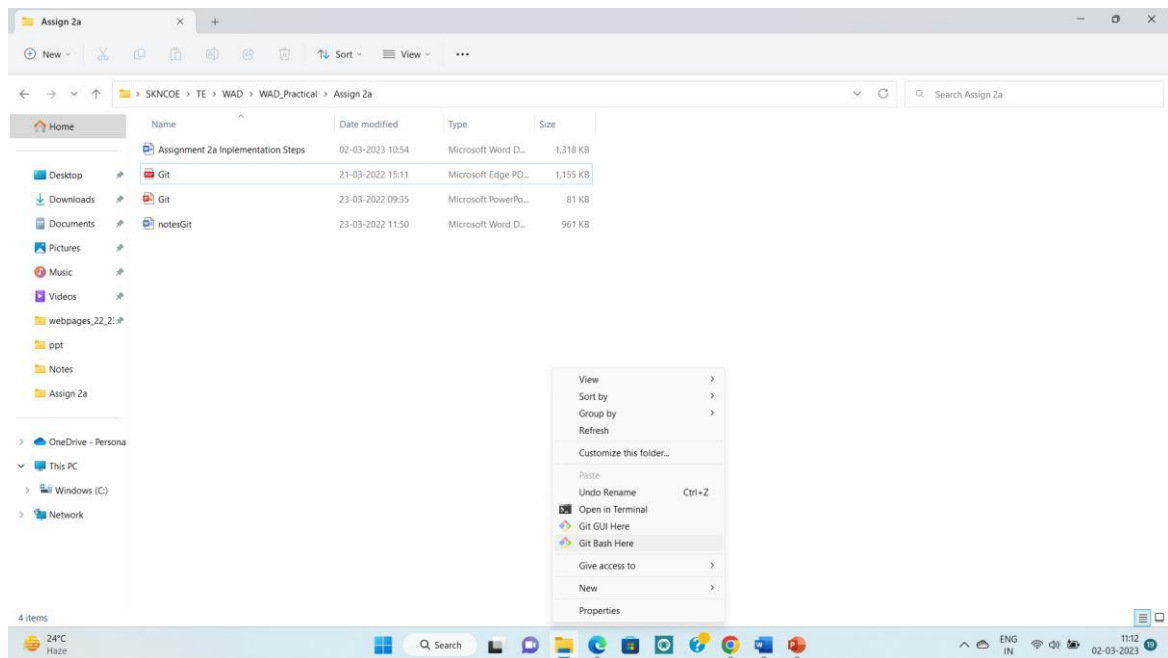
2) Git config

The git config command is **a convenience function that is used to set Git Configuration values on a global or local project level**.
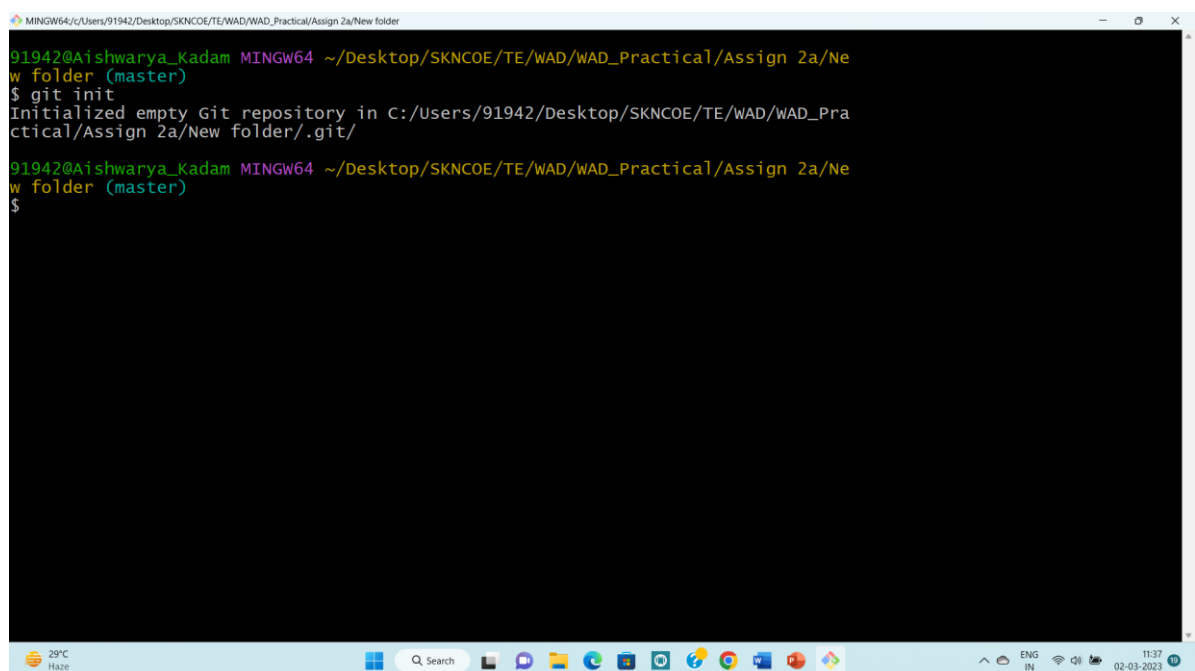
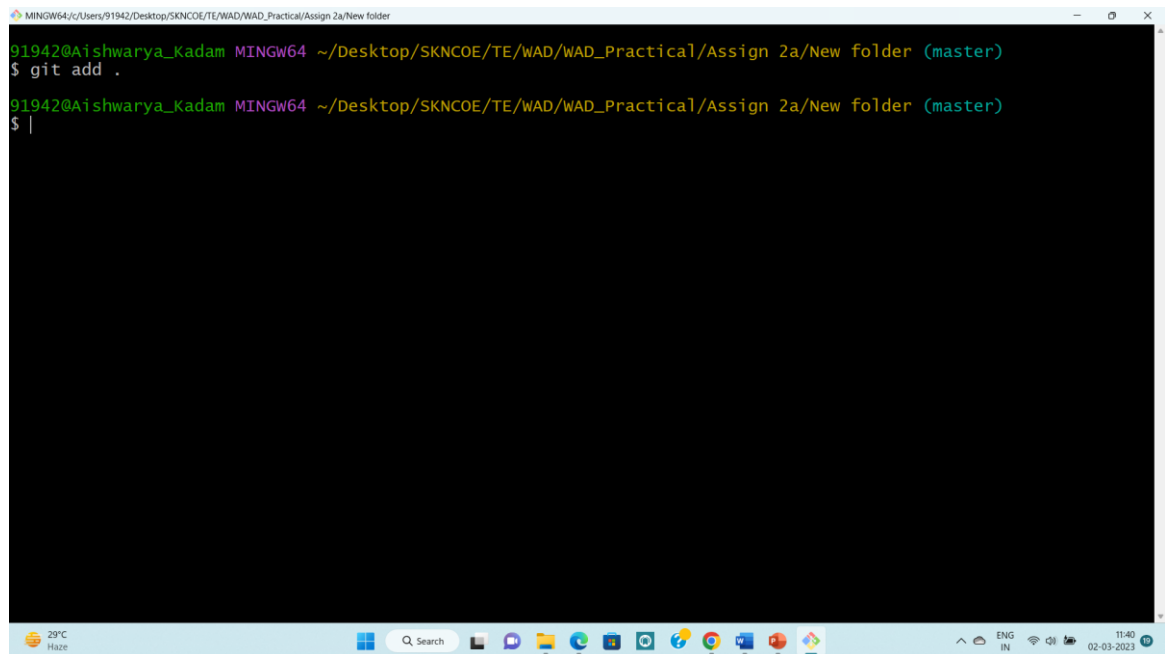To set your Git username, run the git config –global user.name command.

3) Git init

git init is **one way to start a new project with Git**. To start a repository, use either git init or git clone - not both. To initialize a repository, Git creates a hidden directory called. git. That directory stores all of the objects and refs that Git uses and creates as a part of your project's history.
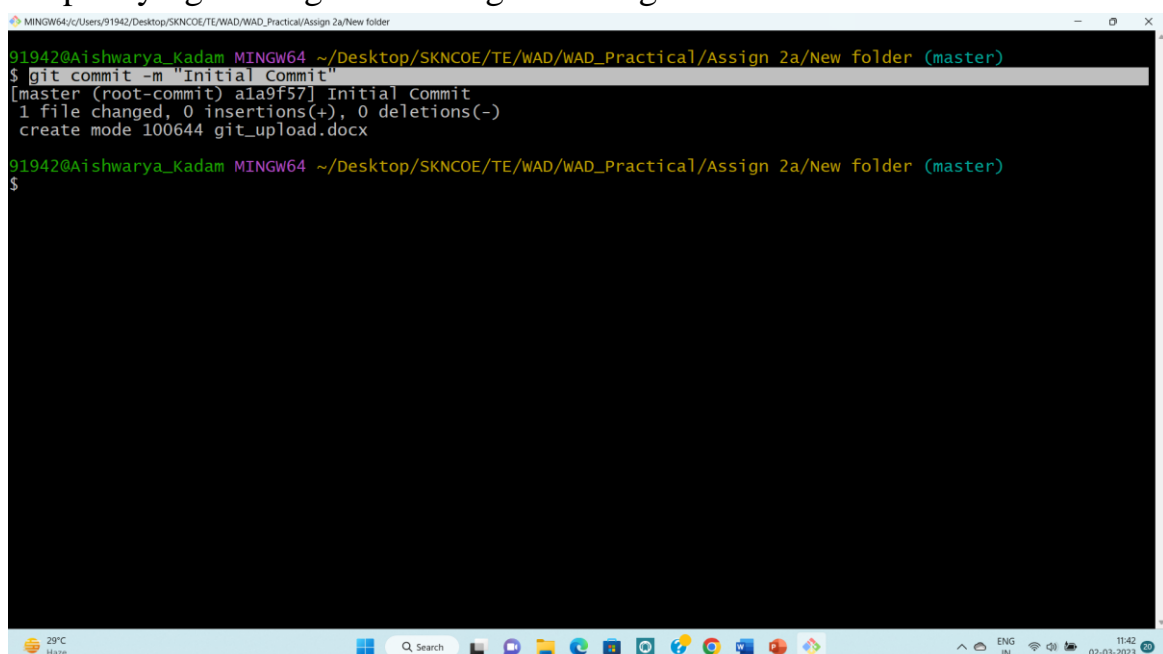
4) Git add

The git add command **adds a change in the working directory to the staging area**. It tells Git that you want to include updates to a particular file in the next commit.
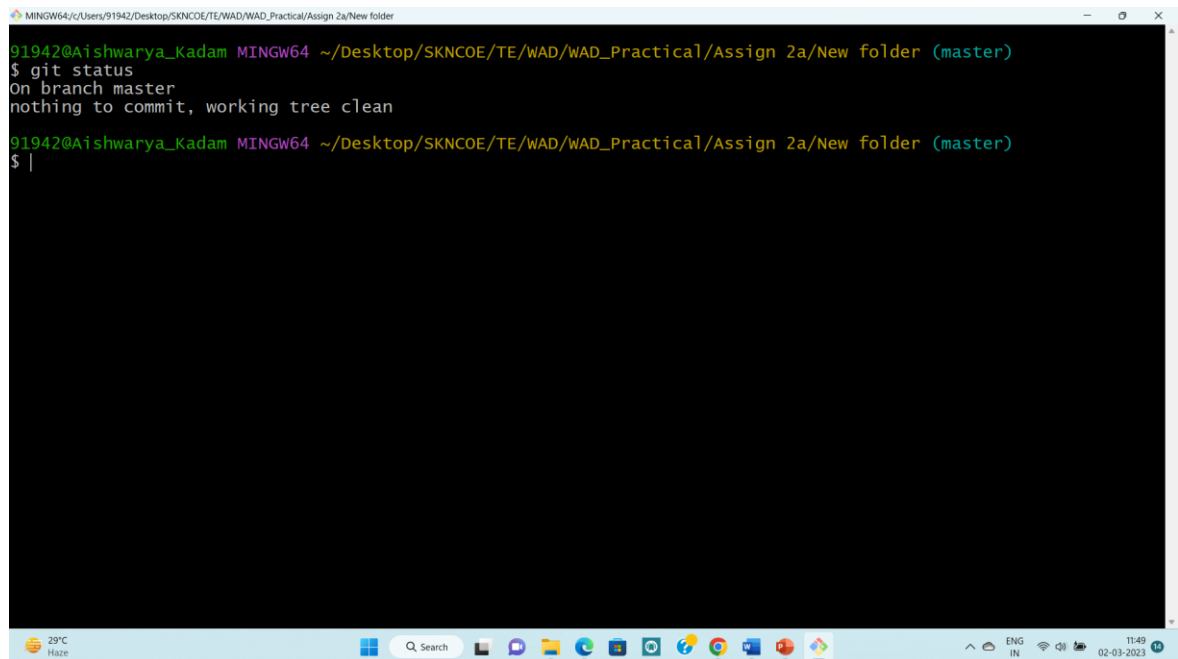

5) Git initial commit

First commit that a developer makes when they start a new software project is called the initial commit. When a developer makes a commit, they have the option of specifying message describing the changes in that commit.

6) Git Status

The git status command **displays the state of the working directory and the staging area**. It lets you see which changes have been staged, which haven't, and which files aren't being tracked by Git.
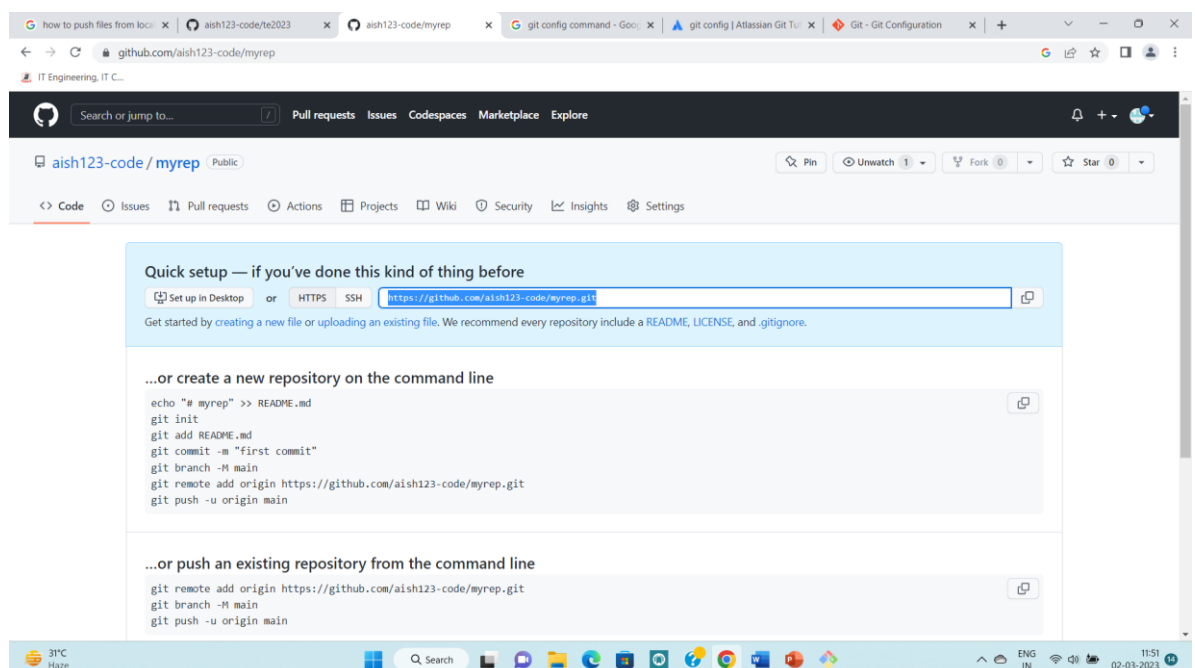

7) Git remote add origin

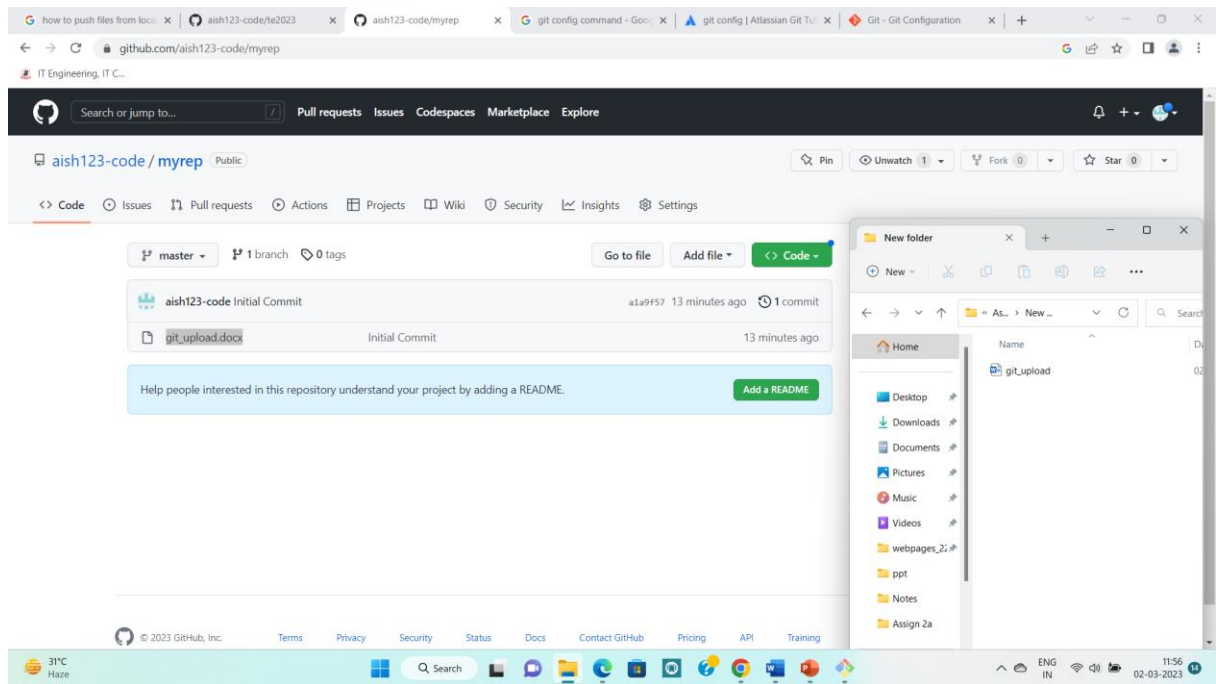When you run *git remote add origin* git@github.com:User/UserRepo.git , then a new remote created named origin.

8) Git push

The git push command is **used to upload local repository content to a remote repository**. Pushing is how you transfer commits from your local repository to a remote repo.

If Error:

```
remote: Support for password authentication was removed on August
13, 2021. Please use a personal access token instead.
remote:     Please     see     https://github.blog/2020-12-15-token-
authentication-requirements-for-git-operations/          for          more
information.
fatal:  Authentication  failed  for  'https://github.com/aish123-
code/firstrepo.git/
```

*Use **My   Account → Settings → Developer   settings → Personal   access
tokens → Generate new token.***

```
git remote set-url origin
https://<token>@github.com/<username>/<repo>
```