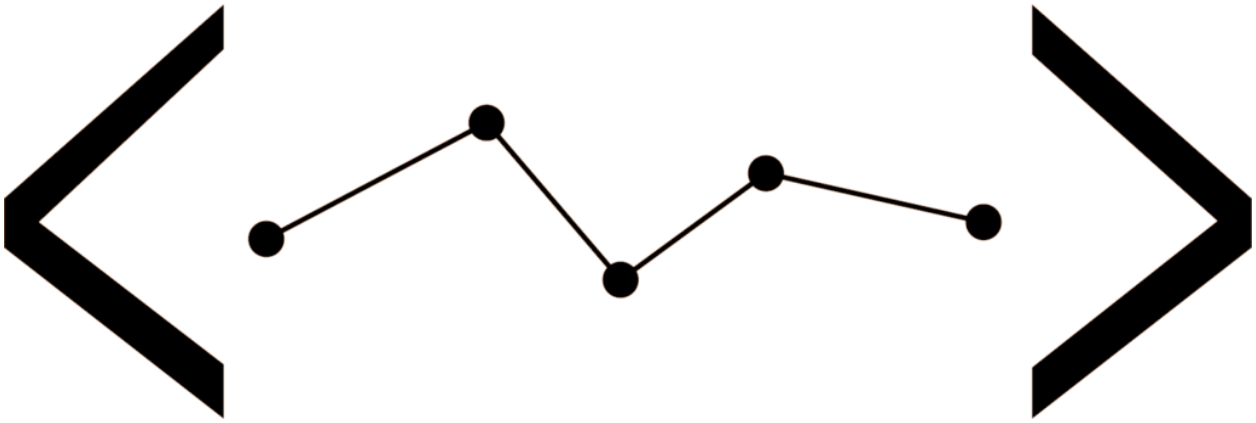
WnCC, IIT B
Minimal Introduction to Github



REGISTRATION AND INSTALLATION

Registration :

1) Head to github.com and make an account (much like making an account anywhere else!)

Installation:

Windows:

1) Download and run **this.**
2) In the page Select Components you can leave the options at their defaults. Click Next
3) On the next screen (Adjusting your path environment), Choose Use Git Bash only. Click Next.
4) On the next screen , Choose Checkout as-is, commit Unix-style line endings. Click Next
5) Leave all upcoming settings to their default and install!

Linux:

1) Open the terminal and run `sudo apt-get install git`

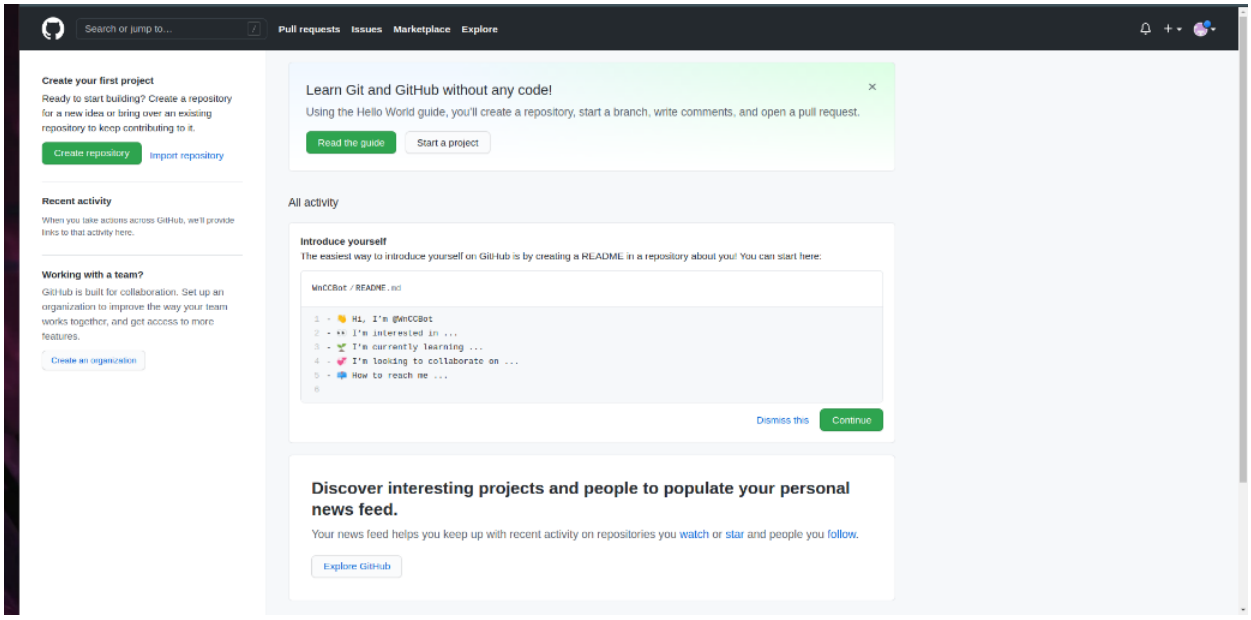
It may ask for your username and password after that!

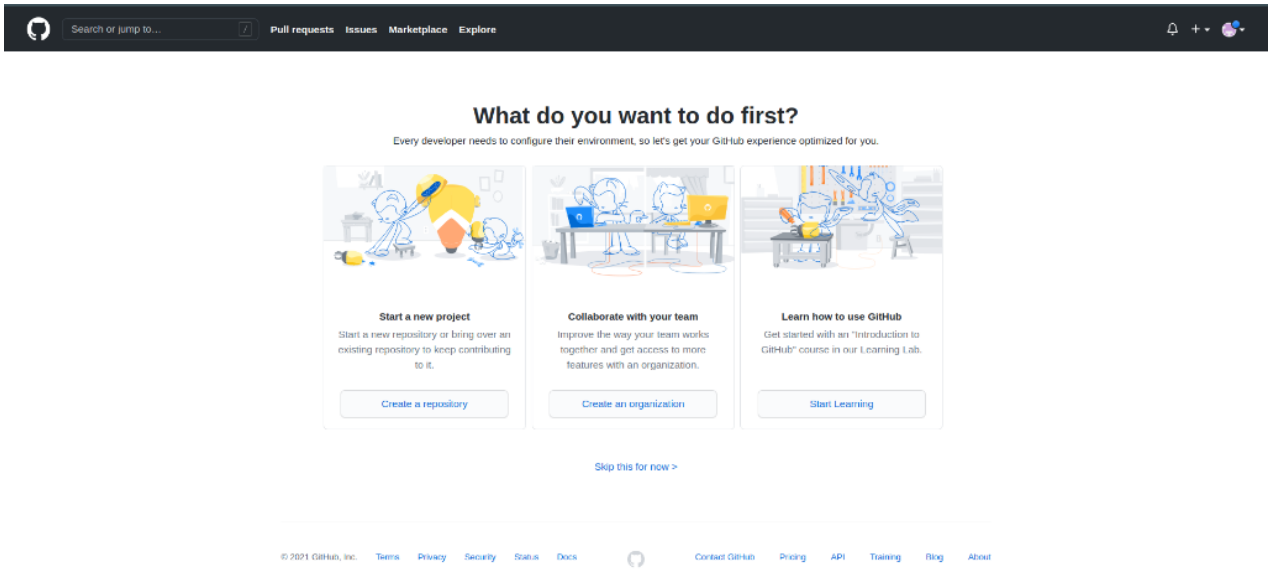
REMARK: When you type any password in Unix/Linux/Bash then it doesn't show it, but don't panic just type your password and press Enter!

CREATING A REPO AND GETTING ITS EQUIVALENT FOLDER ON YOUR OWN PC

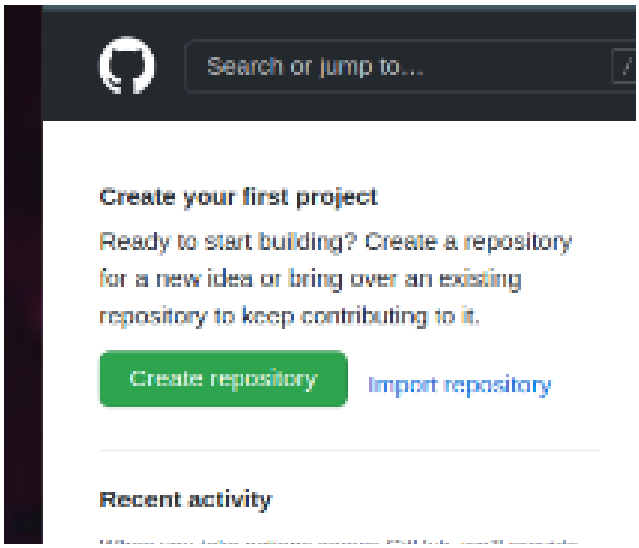
CREATING THE REPO ON GITHUB'S WEBSITE

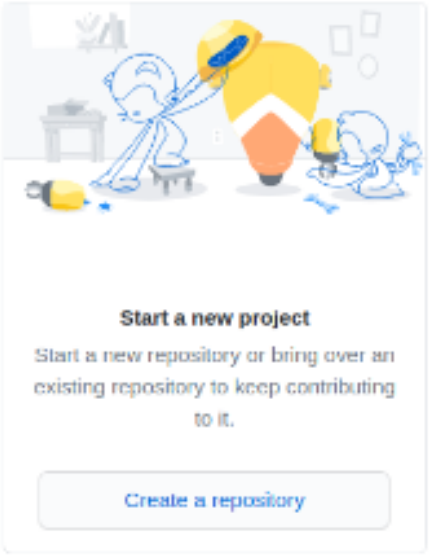
After you login, you would've ended on either of the two pages :



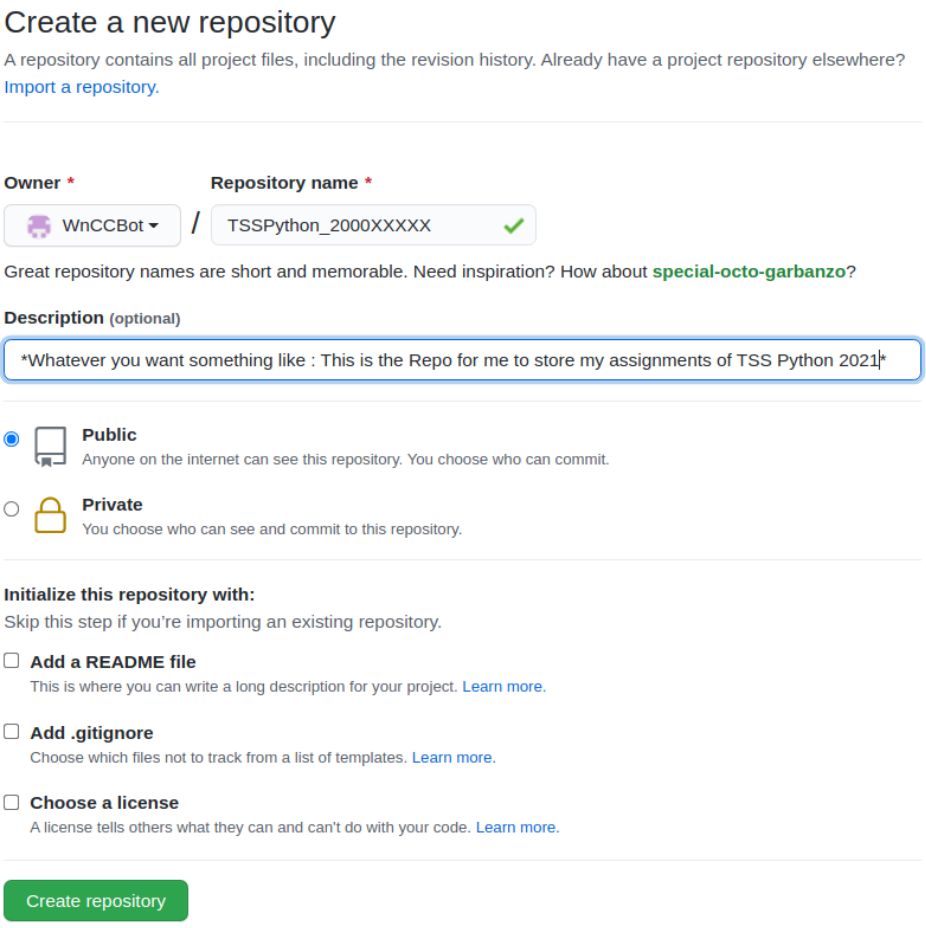


Click on **Create a Repository :**





This would lead you to something like this:

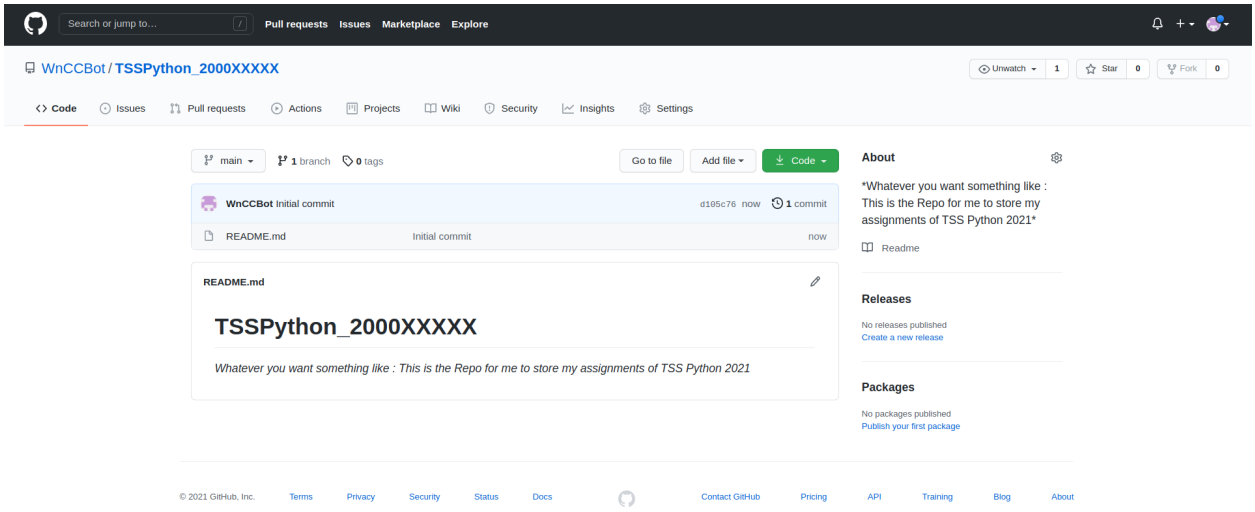


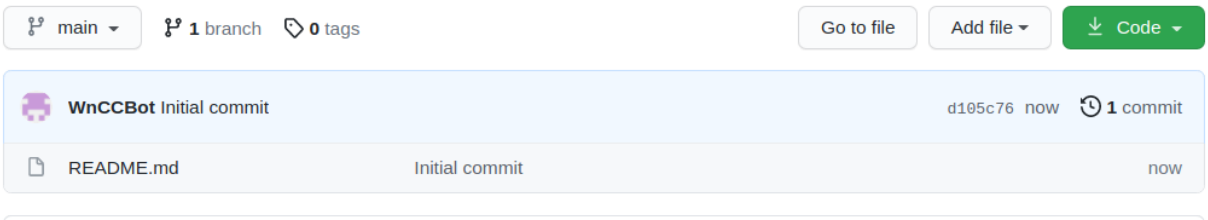
Add whatever you feel is appropriate for the Description part.

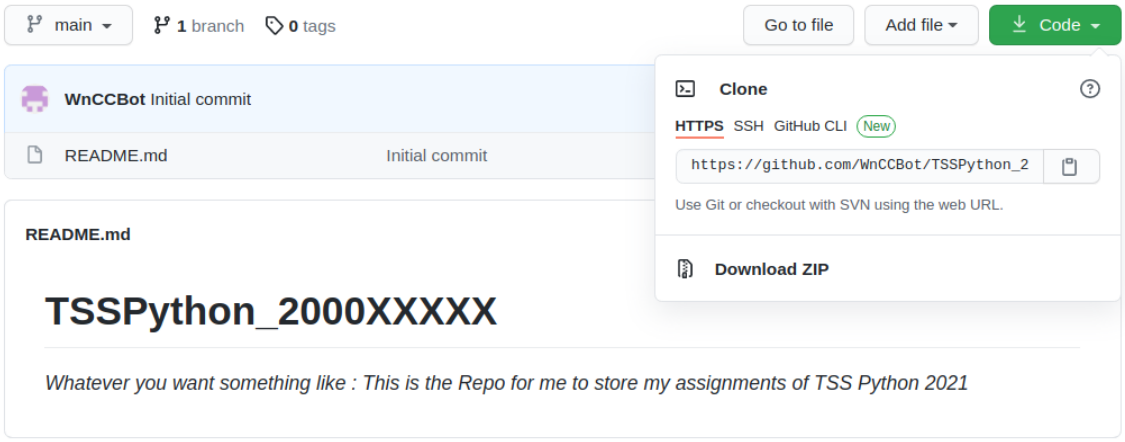
Make sure to make the repo **Public**!

You may choose to add a README file.

Then After creating the repository you will be lead to a page like this:







By Clicking on the green '**Code**' button you would get a link like this, Copy this link as we would need it later!

GETTING THE REPOSITORY ON YOUR OWN MACHINE

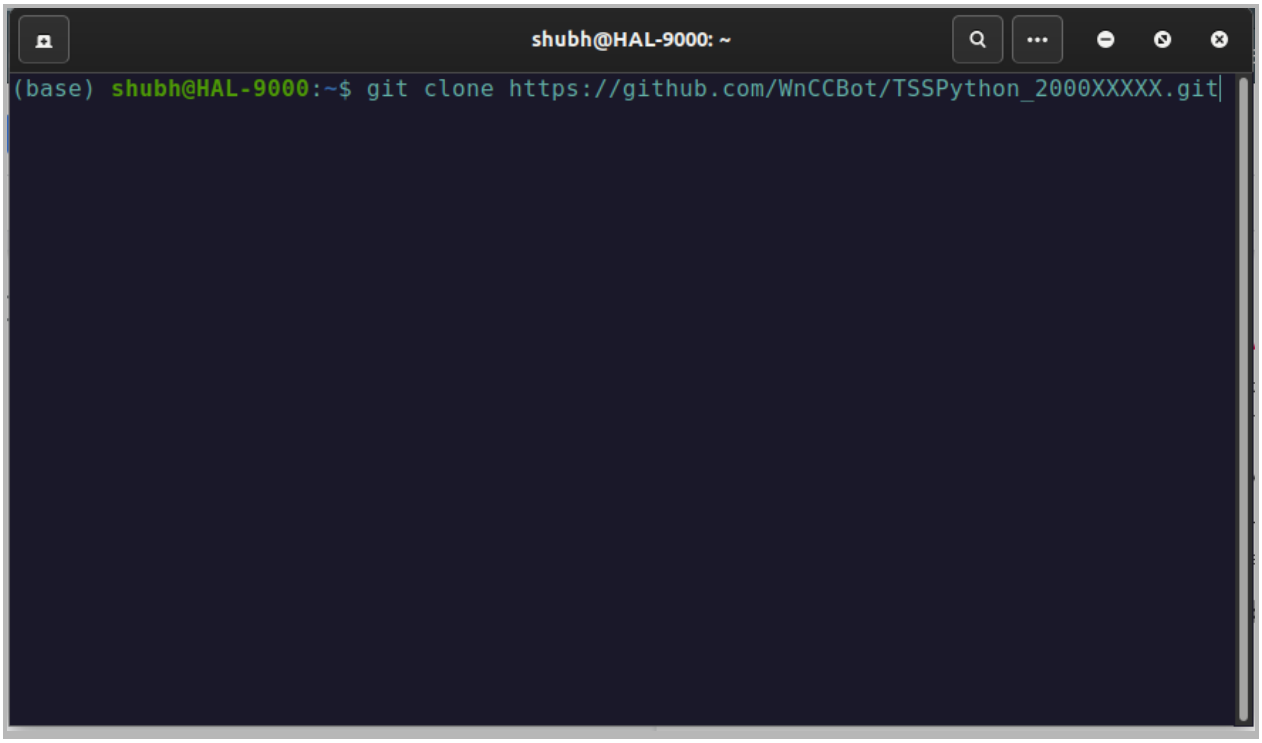
If you're using Windows, then right click on the folder where you want to keep the repository and click on **Git Bash here.**

This would open up a terminal for you to use all your git commands.

To do the same in Ubuntu, All you have to do is open a terminal in the folder where you want to get the repository.

Then In that terminal type:

```
git clone 'the link copied from last step above'
```



This would create a folder with the name of your repository and you could go ahead and create separate files/folders inside this folder for your assignments and complete those.

WHAT TO DO AFTER YOU COMPLETED A PARTICULAR ASSIGNMENT IN THIS FOLDER?

Click on Git Bash Here *inside* the Repository's folder, and execute the following commands sequentially:

1) `git add -A`

This would stage all the changes you made to this repository up for committing to Github.

After this you may also need to execute the following sequentially:

```
git config --global user.name "YourGithubUserName"
git config --global user.email "Your EmailID"
```

This would tell Git, who is executing these commands!

Don't forget to add the double-inverted commas!

Eg.

```
git config --global user.name “thevalianttthird”
git config --global user.email “shubh5796@gmail.com”
```

2) `git commit -m “Some message, eg: Pushing Assignment1”`

This would commit all the changes to your local branch/version of the repository

And Finally:

3) `git push`

After this it will ask for your Github Username and Password.

REMARK : When you type any password in Unix/Linux/Bash then it doesn't show it, but don't panic just type your password and press Enter!

With that you've learnt the minimal use of Github, but remember there's a lot more to Github, which you need to learn along the way!