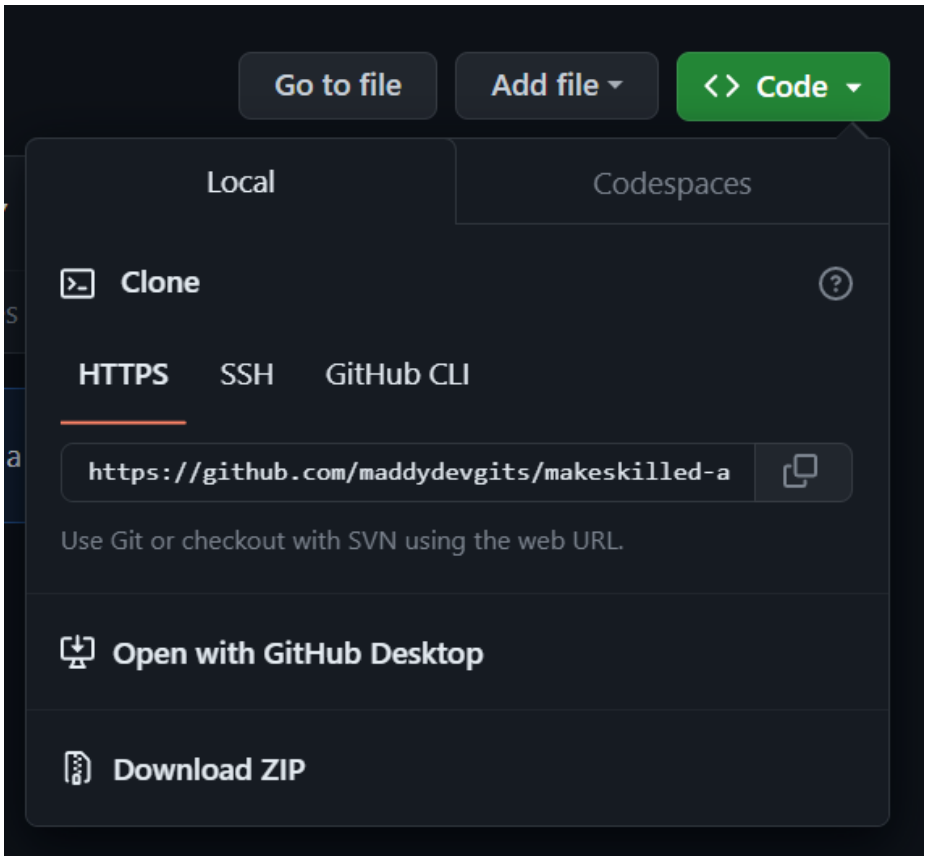
AIML-Assignment-4

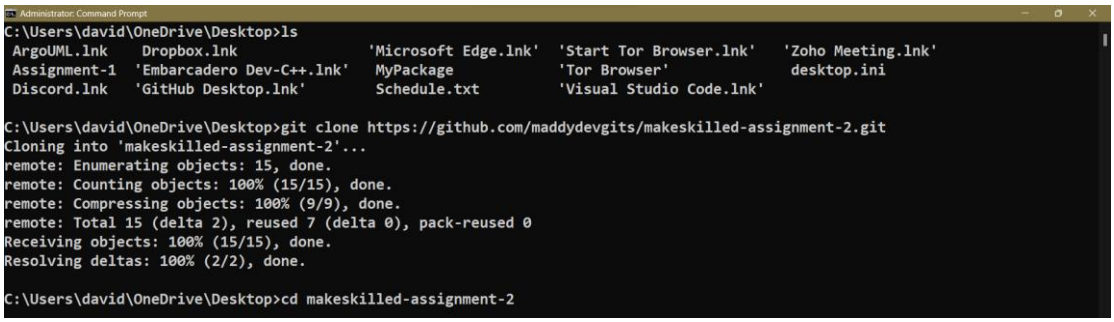
Usage of clone command in git to clone the GitHub repository

Here are the steps for cloning the repository from GitHub, for that we must be connected to internet.(Pushing into individual branches)

Step-1: First, we have to copy the GitHub repository URL as shown in the figure

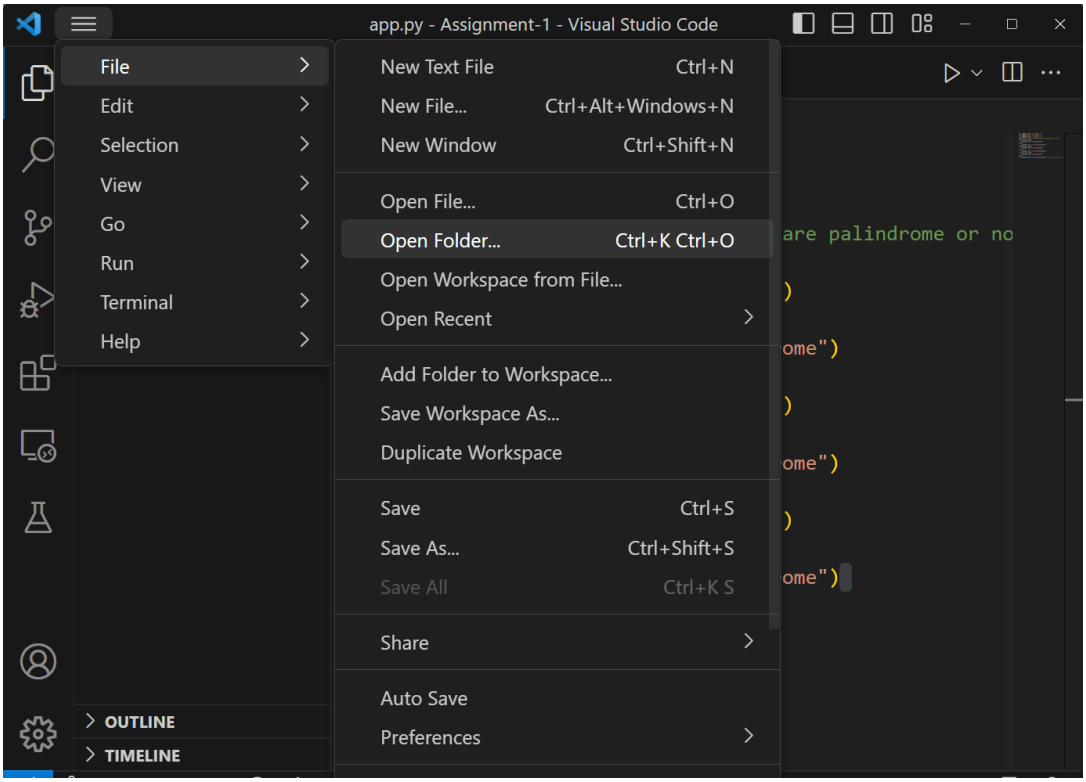


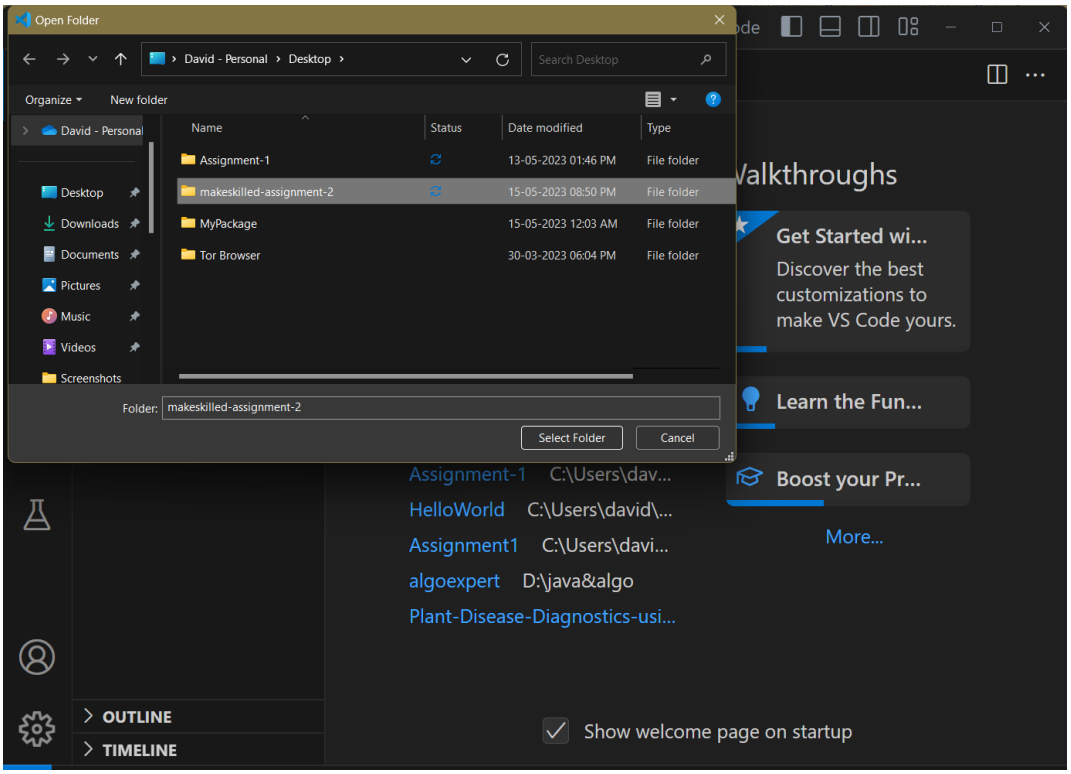
Step-2: After copying the command we have to go into command prompt and type *git clone <GitHubURL>* , then we have to hit enter(Shown in figure below).



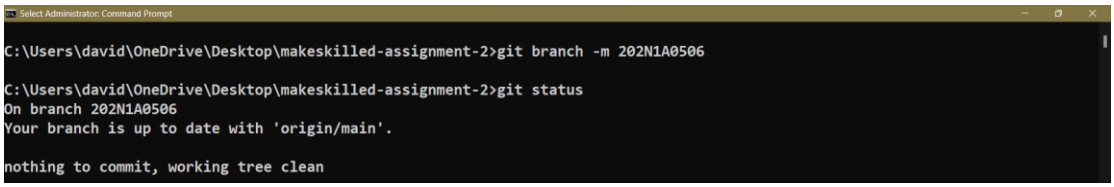
Step-3: Now we have to make some changes to repository, for that we have to get into VS-code and make some changes to the file, for that we have to open file section in the

VS-code and open folder ,select the folder which we have recently cloned from the GitHub repository.

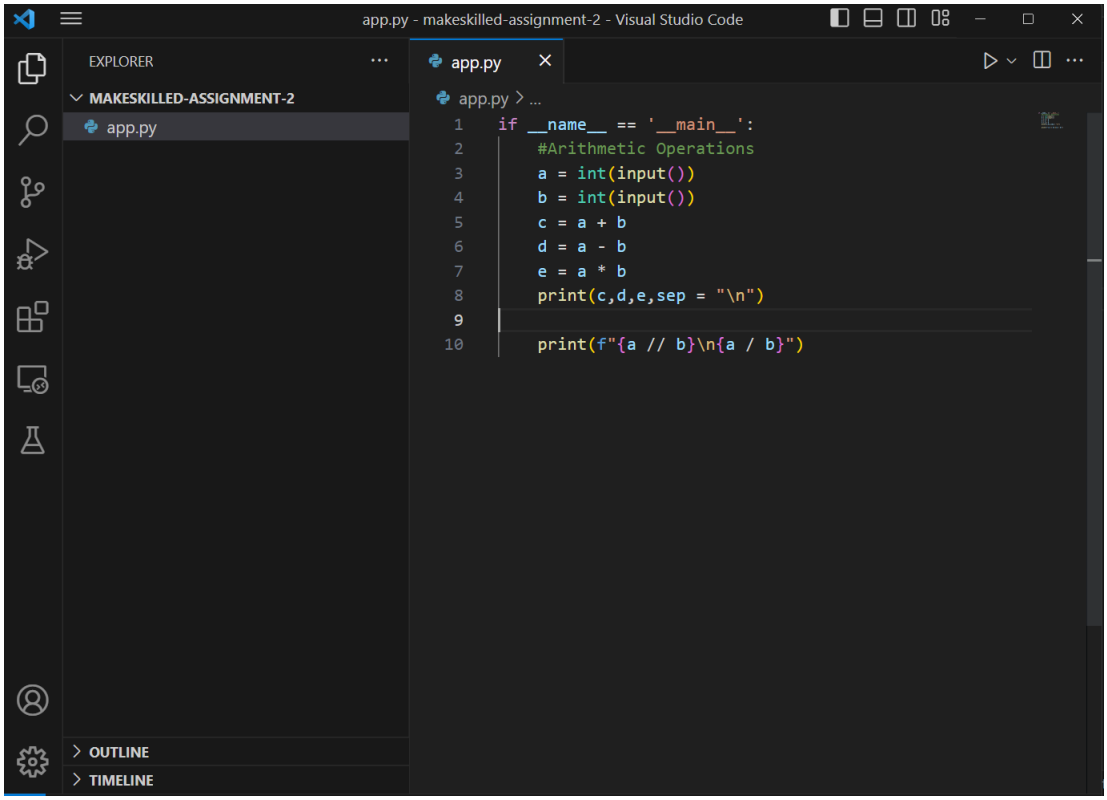




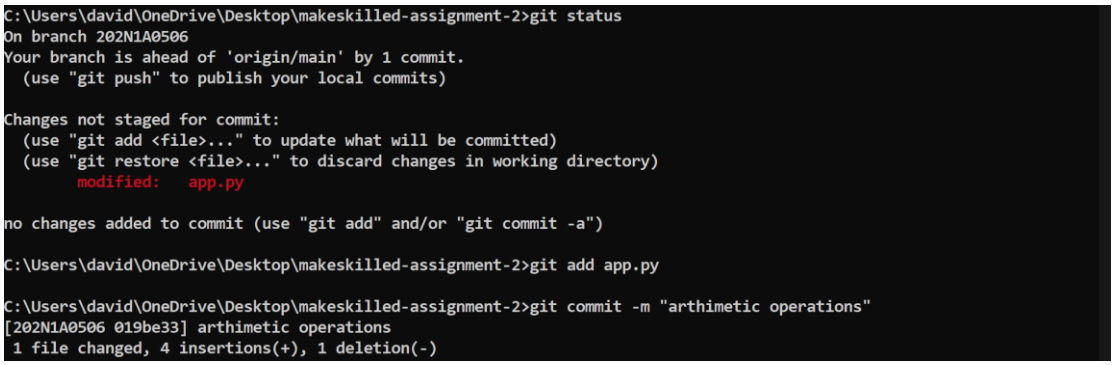
Step-4: Now we have to create our own branch, that's why I have created a new brach with command *git branch -m 202N1A0506*. And we have to check the status(Shown in figure below).



Step-5: Now we have to do some changes that is why I have made changes in python file (Shown in figure below).



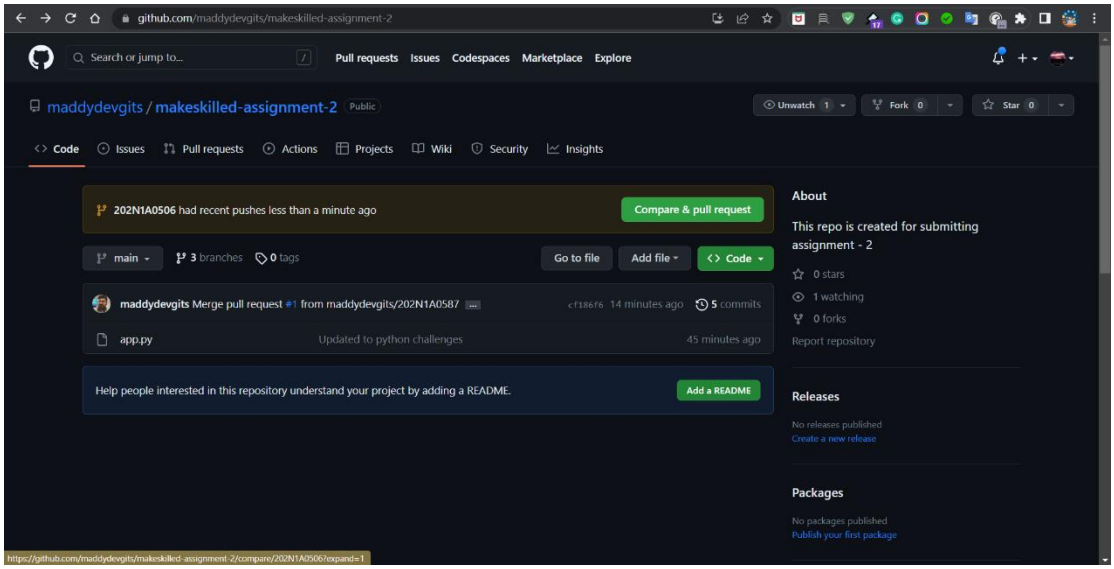
Step-6: Now if we check the status(*git status)* it shows something is modified, for that we have use the *git add app.py* and make commit with *git commit -m "changes"* once again we have to check the status with *git status*.(Shown in figure below)



Step-7: Now we have to push the changes into remote repository as early as possible by using the command called *git push origin branchname*(Shown in figure below).

```
C:\Users\david\OneDrive\Desktop\makeskilled-assignment-2>git status
On branch 202N1A0506
Your branch is ahead of 'origin/main' by 2 commits.
  (use "git push" to publish your local commits)

nothing to commit, working tree clean

C:\Users\david\OneDrive\Desktop\makeskilled-assignment-2>git push origin 202N1A0506
Enumerating objects: 11, done.
Counting objects: 100% (11/11), done.
Delta compression using up to 12 threads
Compressing objects: 100% (6/6), done.
Writing objects: 100% (9/9), 1.25 KiB | 639.00 KiB/s, done.
Total 9 (delta 2), reused 2 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (2/2), completed with 1 local object.
remote:
remote: Create a pull request for '202N1A0506' on GitHub by visiting:
remote:      https://github.com/maddydevgits/makeskilled-assignment-2/pull/new/202N1A0506
remote:
To https://github.com/maddydevgits/makeskilled-assignment-2.git
 * [new branch]      202N1A0506 -> 202N1A0506
```

Step-8: Now we have to check the remote repository from owner side (Shown in figure below).



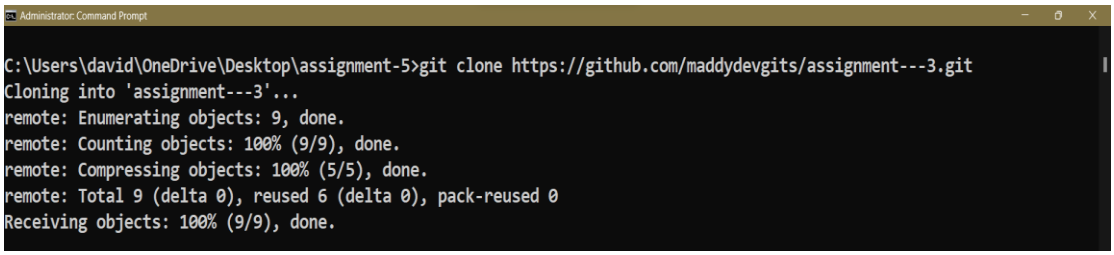
It is showing that there are the recent pushes in the owner side repository.

AIML-Assignment-5

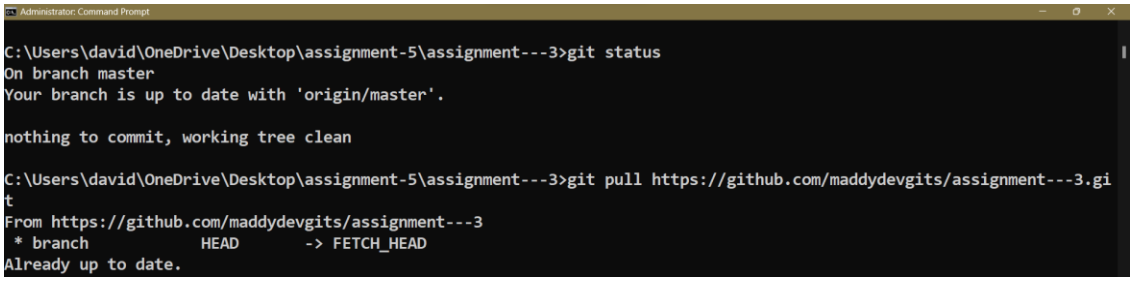
Pull usage in git software to pull the remote repository

Here the task is to push the code from remote repository after we cloned the GitHub repository.(Pushing it into master branch). (Pull is used for main branch)

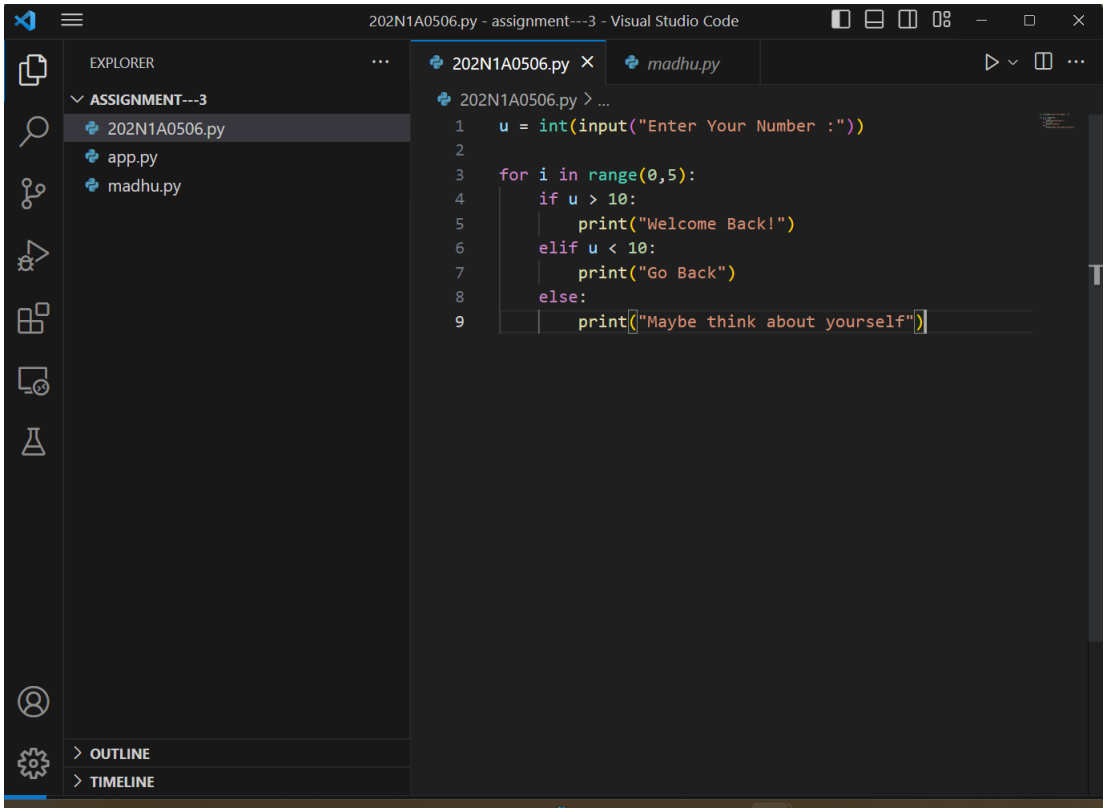
Step-1: First, we have to clone the repository after that we have to do our further process.(Shown in figure) *git clone <url>*



Step-2: Second, we have to check the status in command prompt with *git status*, now we have to pull the repository with *git pull origin<REPOURL>* why because that we don't know that maybe it is changed while we are cloning it that's why we have to pull the repo after that we have to check the status again.



Step-3: Now we have to create a new file and save it to clone repo for that we have to do the following process.(that means I've created the new file with name as 202N1A0506.py)

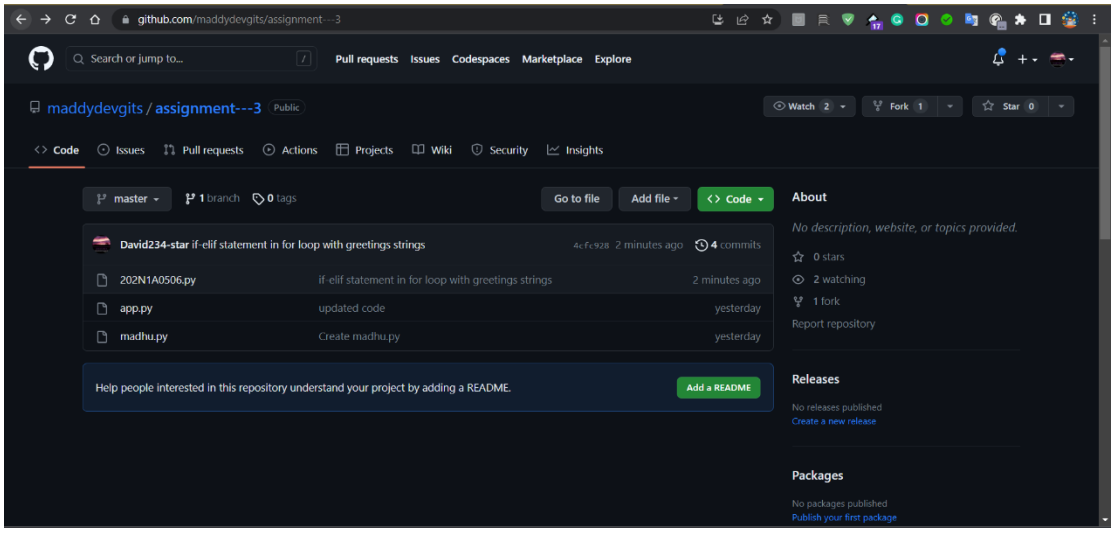


Step-4: Now we have to check the status with the command called *git status*, as shown in figure. After that we have to add the file with command *git add filename,* and commit the changes which we have made with *git commit -m "Changes".* And after that we have to push it into GitHub repository by using the *git push origin master*.

```
Administrator: Command Prompt

C:\Users\david\OneDrive\Desktop\assignment-5\assignment---3>git status
On branch master
Your branch is up to date with 'origin/master'.

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        202N1A0506.py

nothing added to commit but untracked files present (use "git add" to track)

C:\Users\david\OneDrive\Desktop\assignment-5\assignment---3>git add 202N1A0506.py

C:\Users\david\OneDrive\Desktop\assignment-5\assignment---3>git commit -m "if-elif statement in for loop with greeting
s strings"
[master 4cfc928] if-elif statement in for loop with greetings strings
 1 file changed, 9 insertions(+)
 create mode 100644 202N1A0506.py
```

```
Administrator: Command Prompt
C:\Users\david\OneDrive\Desktop\assignment-5\assignment---3>git status
On branch master
Your branch is ahead of 'origin/master' by 1 commit.
  (use "git push" to publish your local commits)

nothing to commit, working tree clean

C:\Users\david\OneDrive\Desktop\assignment-5\assignment---3>git push origin master
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 12 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 478 bytes | 478.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/maddydevgits/assignment---3.git
   0e6f8e1..4cfc928  master -> master
```

Step-5: Now we have to check the GitHub remote repository where the master branch is available in the host account, it is showing that one file added to the repository.



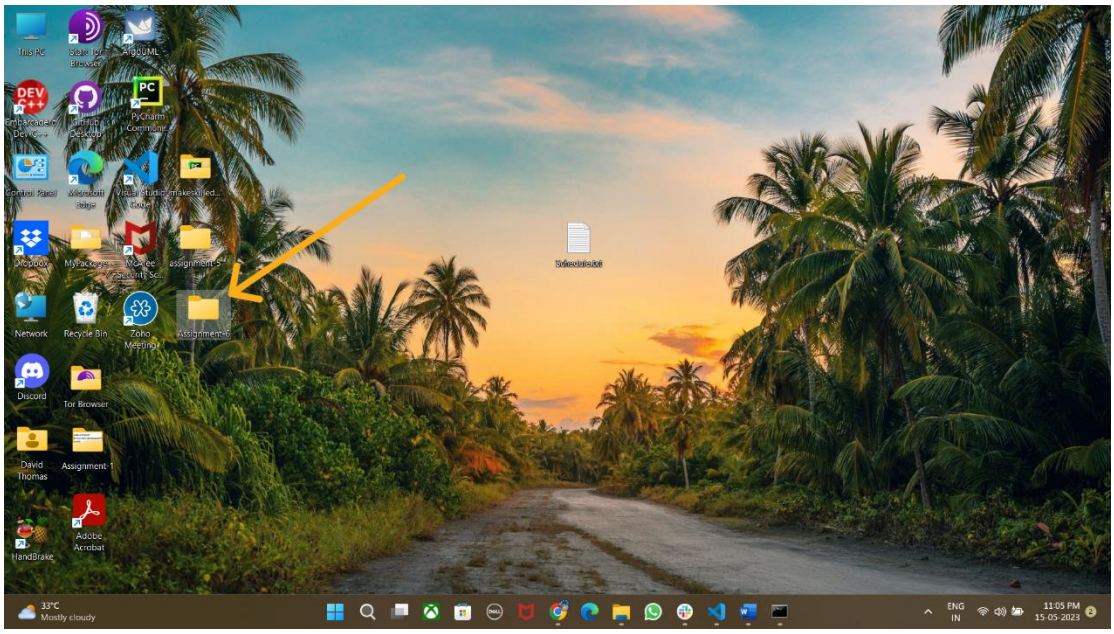
AIML-Assignment-6

Here the task is that publishing the code repo through VS-code

Here are the steps for how to publish the code repo through vs-code editor.

Step-1: First, we have to create a folder anywhere in the drive where the vs-code is available , here I am creating it in the desktop naming as assignment-6.

For that we have to right click on the screen which is shown in figure and after that select new with folder section as shown in figure.



Step-2: Now we have to create a file, for that I have created a Python file named as devrepo.py, and started writing the code in that file as shown in the figure.

Step-3: After that we have to click Source control icon in the VS-code

Step-4: Then we will see the publish button beside the code space then click that one .

Step-5: Now we will see that cursor is prompting at the middle where the search box is available with the caption 'Publish to GitHub Public repository' with username which is integrated with that, we have to click it

Step-6: After that it asks for 'select the files which should include in the repository', we have to select the required files which should be included in the repository.

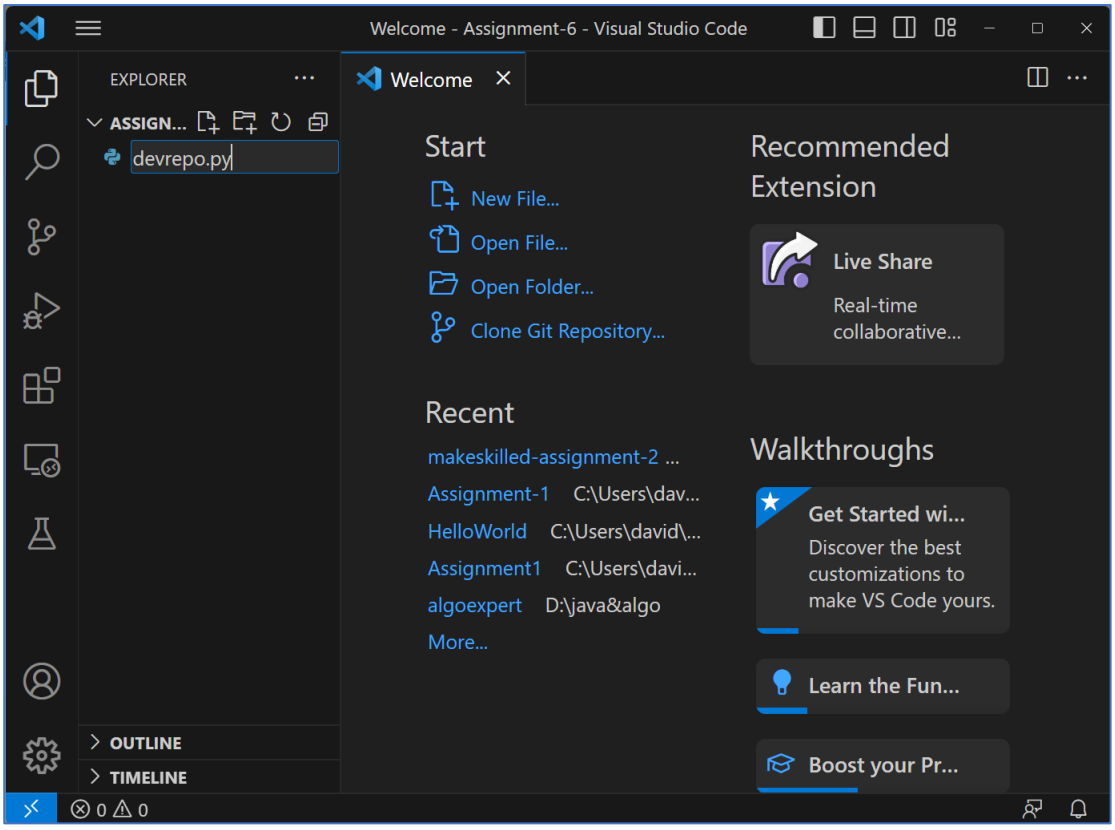


Figure 1(Step-2)

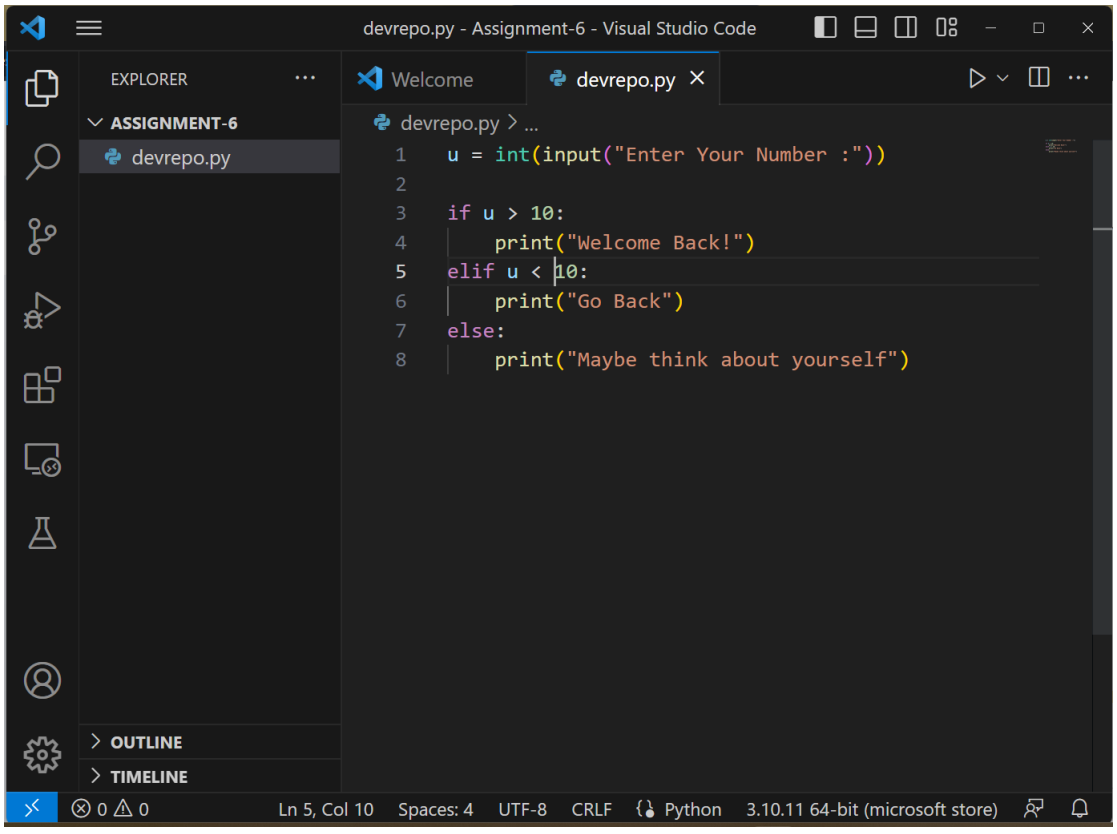


Figure 2((Step-3)

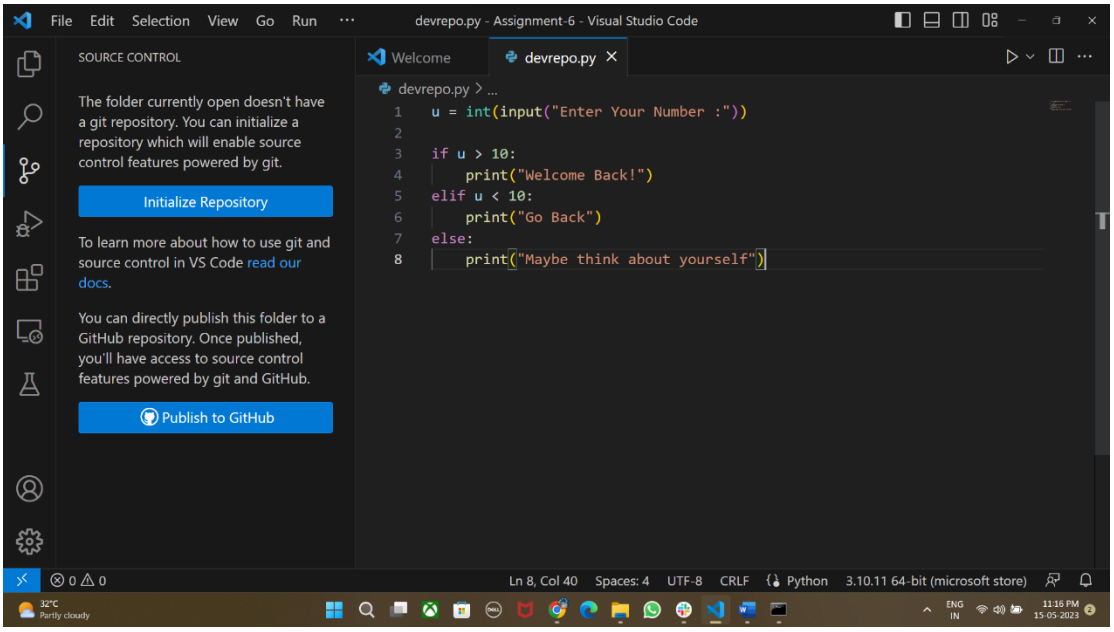


Figure 1(Step-4)

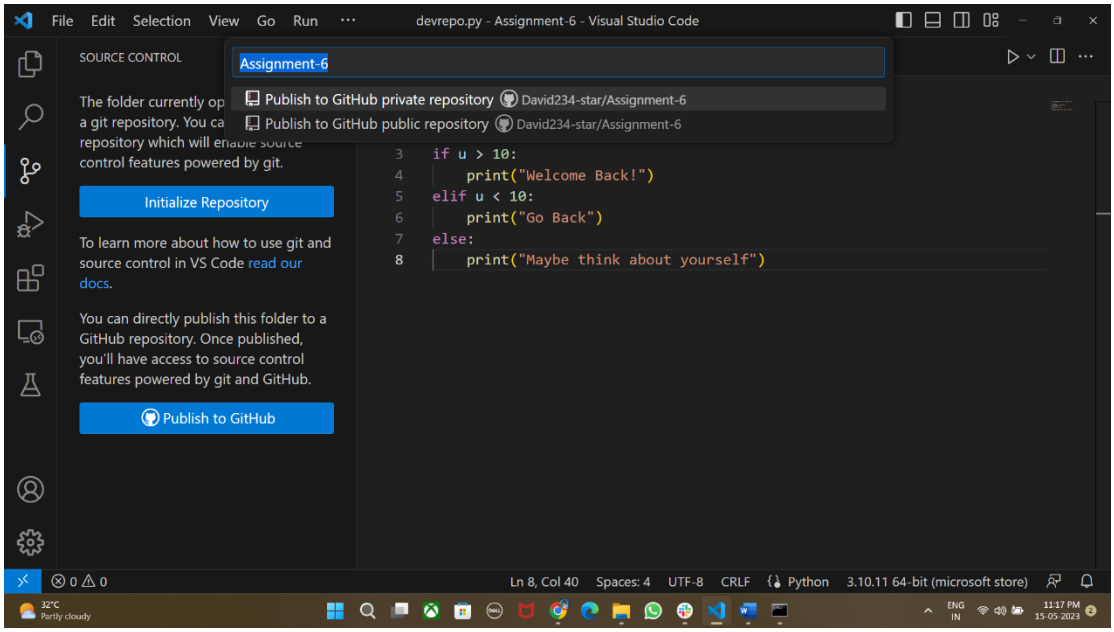


Figure 2(Step-5)

Step-7: Then if we check it, we will see that it showing the message with caption 'Successfully published'

Step-8: After we will check it in the GitHub account, that there is a repository which is published through the VS-code.

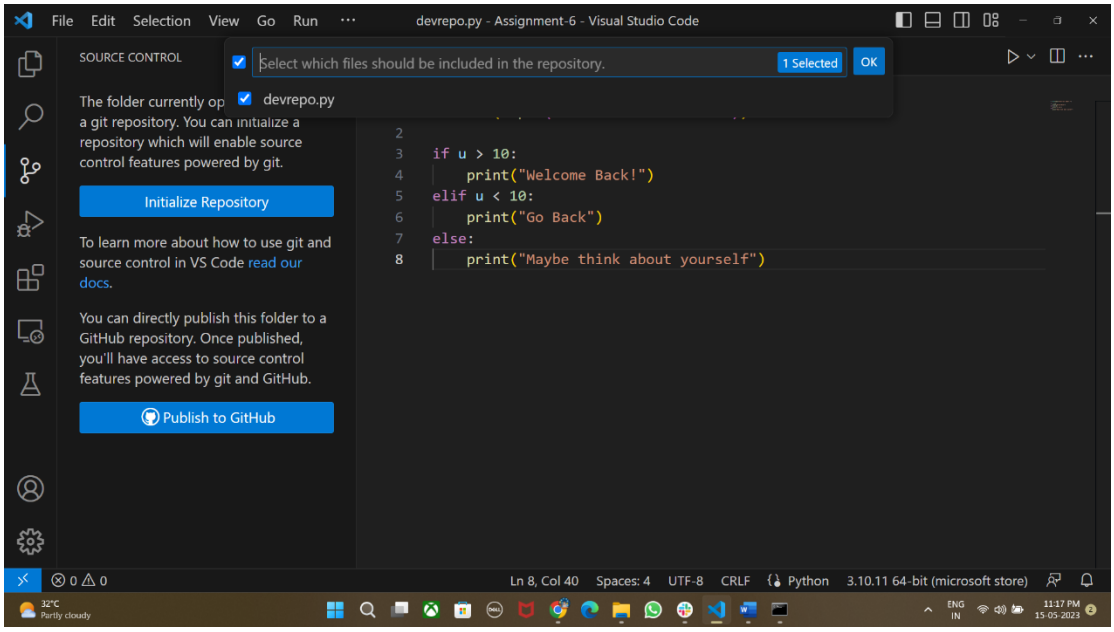


Figure 4(Step-6)

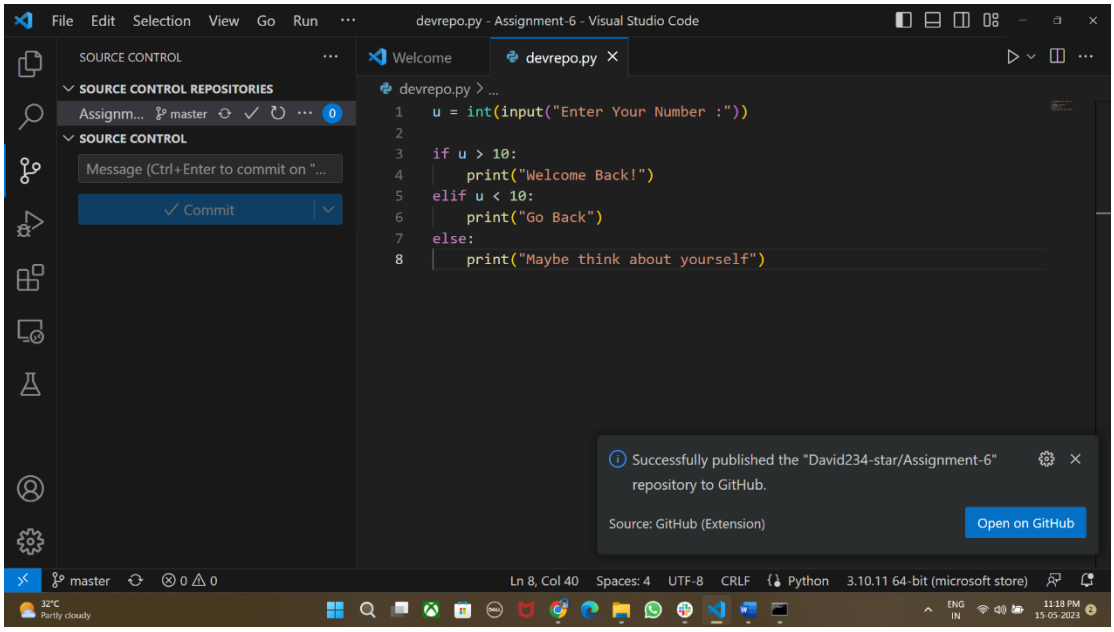
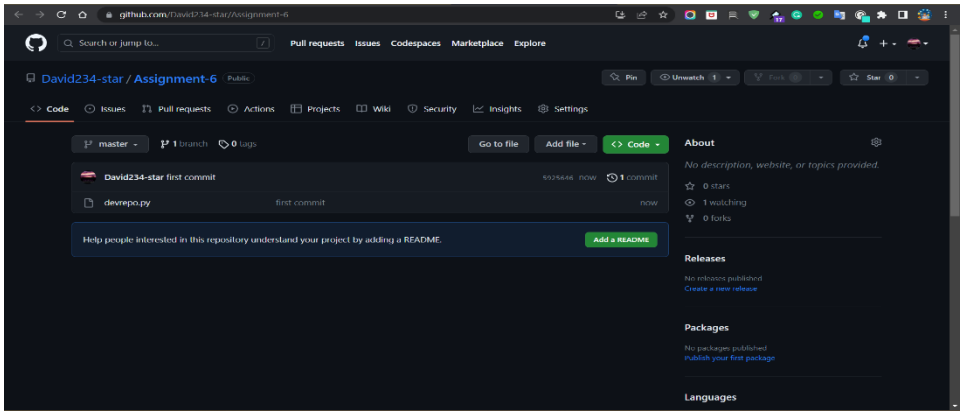


Figure 3(Step-7)

Published results shown in the below figure, which is the GitHub page

Figure 5(Step-8)



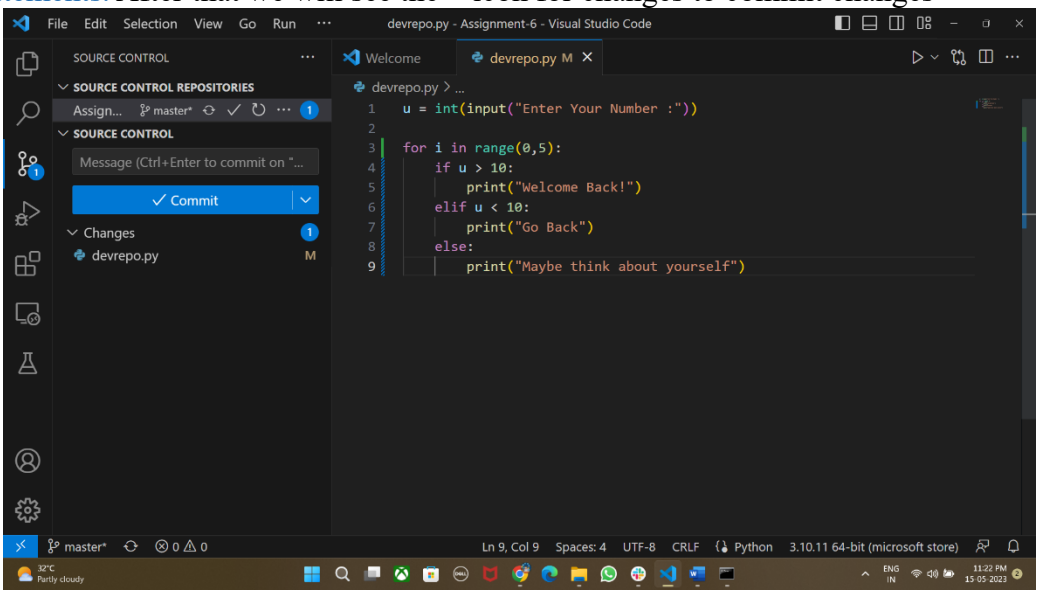
AIML-Assignment-7

Making changes to the folder which is created in above section using VS-code(Add, Push, Push)

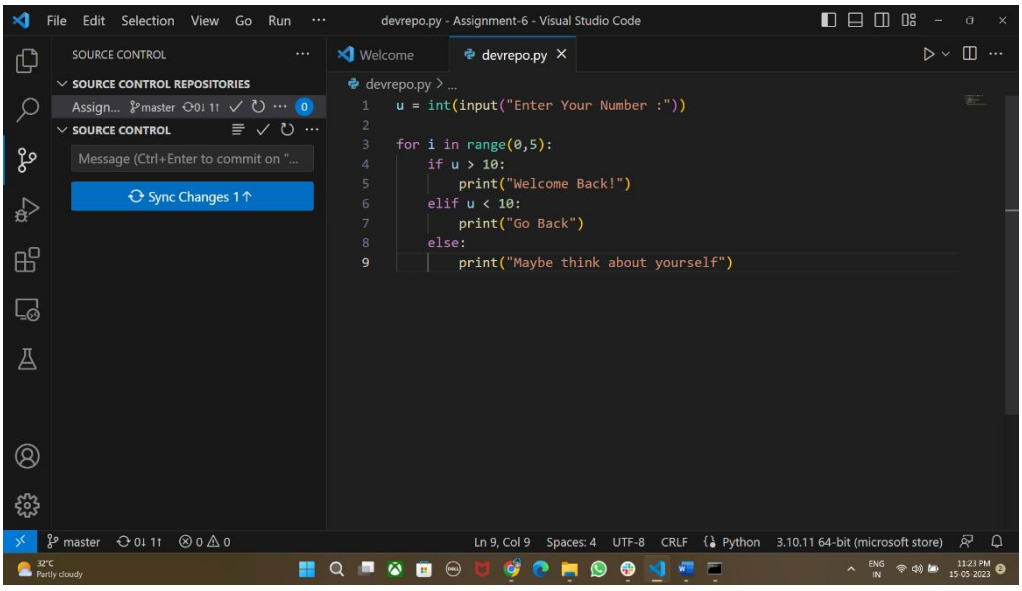
Here are the steps for synchronization of the changes that have been made by the developer.

Step-1: First we have to change the code as per requirement in the development (Shown in the figure).

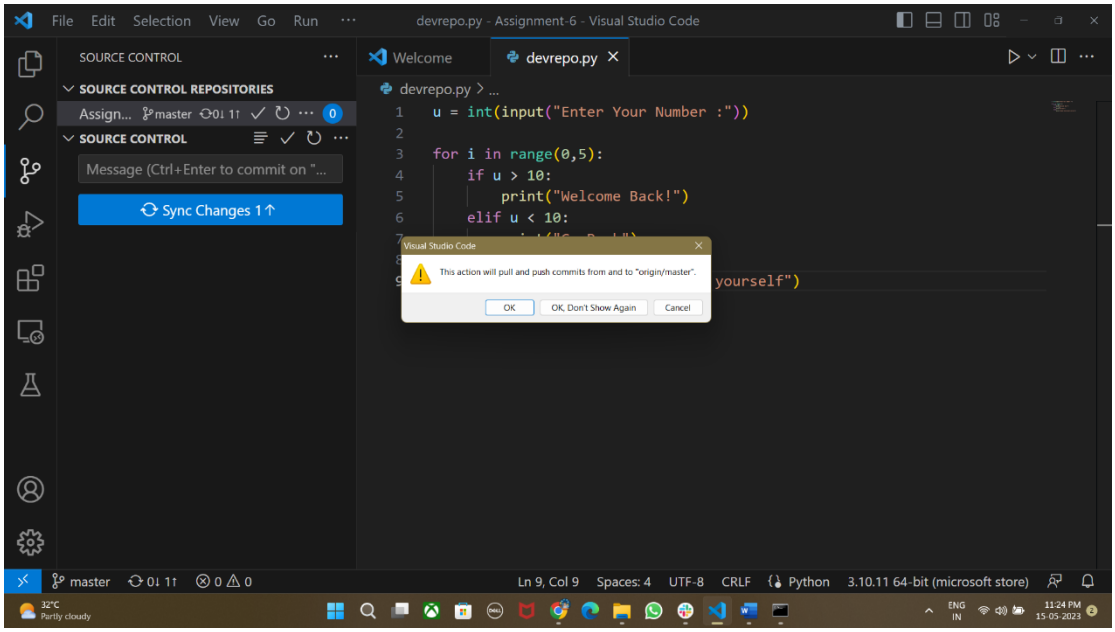
In the initial program I have used if - else statement only for operations, but in the following program I have used the for loop and within the for loop I used the if – else statements. After that we will see the + icon for changes to commit changes



Step-2: We have to commit the changes with commit message like 'used for loop', now we will see that there is sync option at left side of the editor, we have to click it



Step-3: After clicking the sync button it will ask us to pull and push with focused caption, like picture in picture as shown in figure below, we have to click OK button.



Step-4: Now we can see the changes in the GitHub account, which is changed from 'first commit' into 'used for-loop to iterate' as shown in the figure.