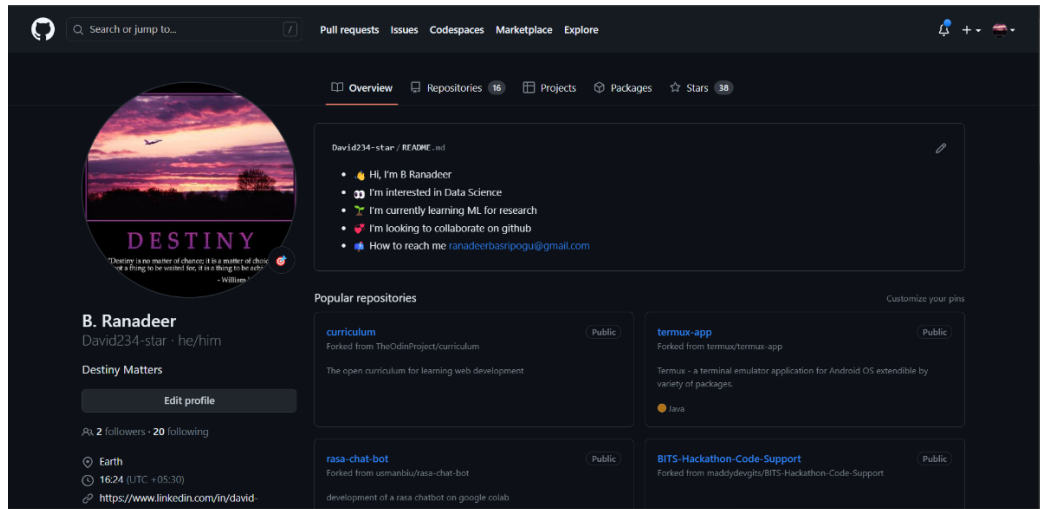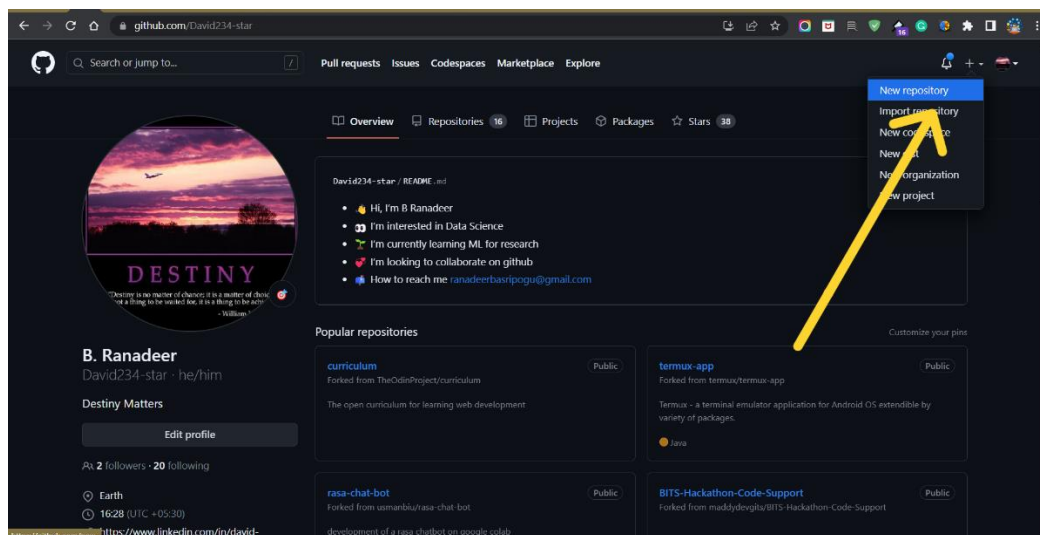# AIML – Assignment-2
Pushing the local repository into remote repository

Here are the steps for pushing the local repository into remote repository, for that we have to sign in GitHub account.

Step-1: We have to login or sign in GitHub account(shown in figure below).

Step-2: Now we have to create a new repository for that we will find a plus icon on top of right corner.

Step-3: Now we will see a window shows that enter your repository name and access specifiers (public or private). And name the repository and select public for now to be accessible for all(shown in figure below).

Step-4: Now we have to connect the local repository to remote repository by using command called *git remote add origin "remoterepo"* , and by using *git branch -m main* we will connect it to main branch(shown in figure 5). And push into repository by using *git push origin main.*(Shown in figure 6).

Figure (creating a repo)

```
C:\Users\david\OneDrive\Desktop\Assignment-1>git status
On branch master
nothing to commit, working tree clean

C:\Users\david\OneDrive\Desktop\Assignment-1>git remote add origin https://github.com/David234-star/MakeSkilled_Assignment__2.git

C:\Users\david\OneDrive\Desktop\Assignment-1>git branch -m "main"

C:\Users\david\OneDrive\Desktop\Assignment-1>
```

```
C:\Users\david\OneDrive\Desktop\Assignment-1>git push origin main
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Delta compression using up to 12 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 280 bytes | 280.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/David234-star/MakeSkilled_Assignment__2.git
 * [new branch]      main -> main

C:\Users\david\OneDrive\Desktop\Assignment-1>
```
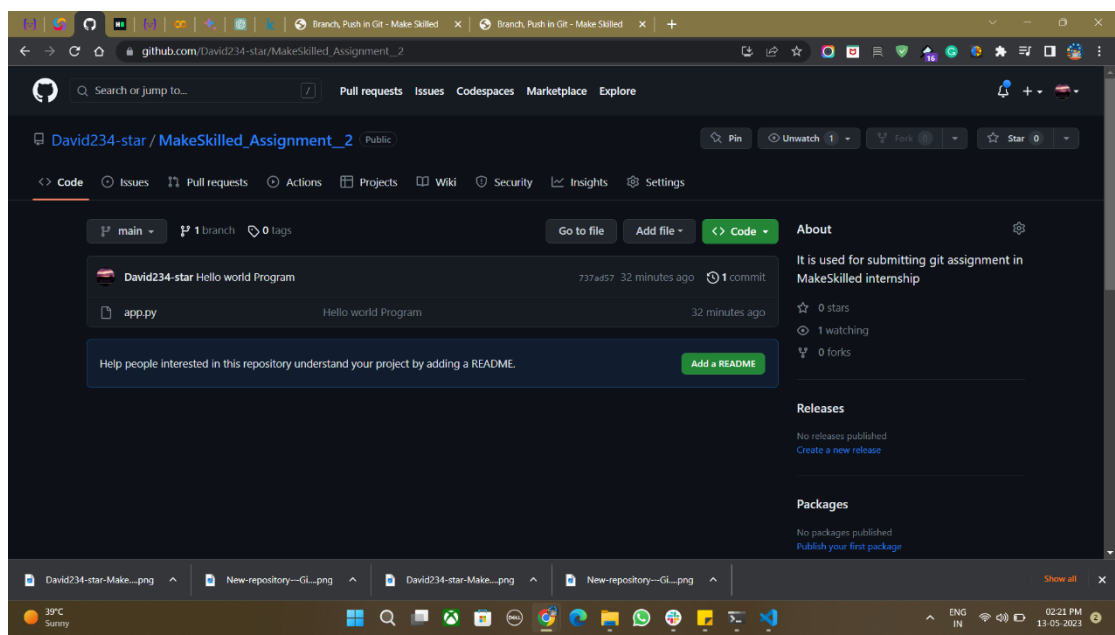

Step-5: If we have made any changes to the file then it must be committed to branch which belongs, for that we use a command called *git add <filename>* after that we use *git commit -m "branchname"* to commit the changes that we have made and after that we push it into repository main branch itself(Shown in figures below).
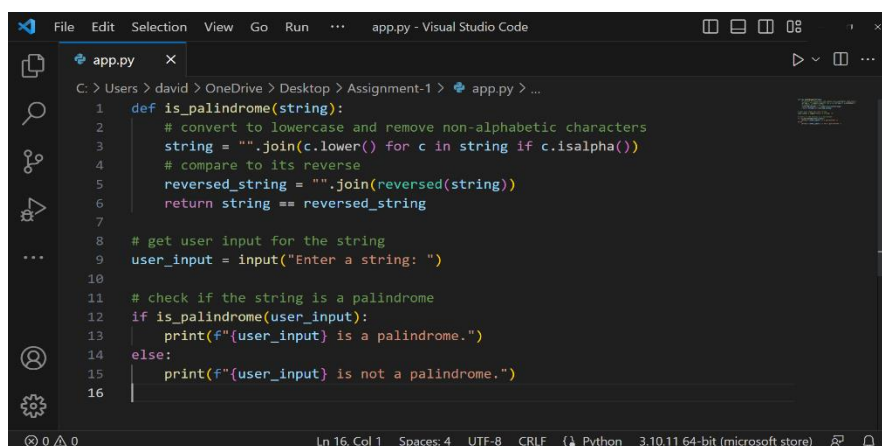
```
C:\Users\david\OneDrive\Desktop\Assignment-1>git status
On branch main
Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        modified:   app.py

no changes added to commit (use "git add" and/or "git commit -a")
```

Figure (Here if we check the status of the repository it seems like there is a change then we have add it to the repo and commit it and push it)

```
C:\Users\david\OneDrive\Desktop\Assignment-1>git add app.py

C:\Users\david\OneDrive\Desktop\Assignment-1>git commit -m "changed from hello world to palindrome"
[main 181d074] changed from hello world to palindrome
 1 file changed, 14 insertions(+), 2 deletions(-)

C:\Users\david\OneDrive\Desktop\Assignment-1>
```

```
C:\Users\david\OneDrive\Desktop\Assignment-1>git push origin main
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 12 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 499 bytes | 499.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/David234-star/MakeSkilled_Assignment__2.git
   737ad57..181d074  main -> main

C:\Users\david\OneDrive\Desktop\Assignment-1>
```

Now we have to check our github repository and we will see there are changes that we have made and also commits that will appears on that. We can see commits will appear in figure.
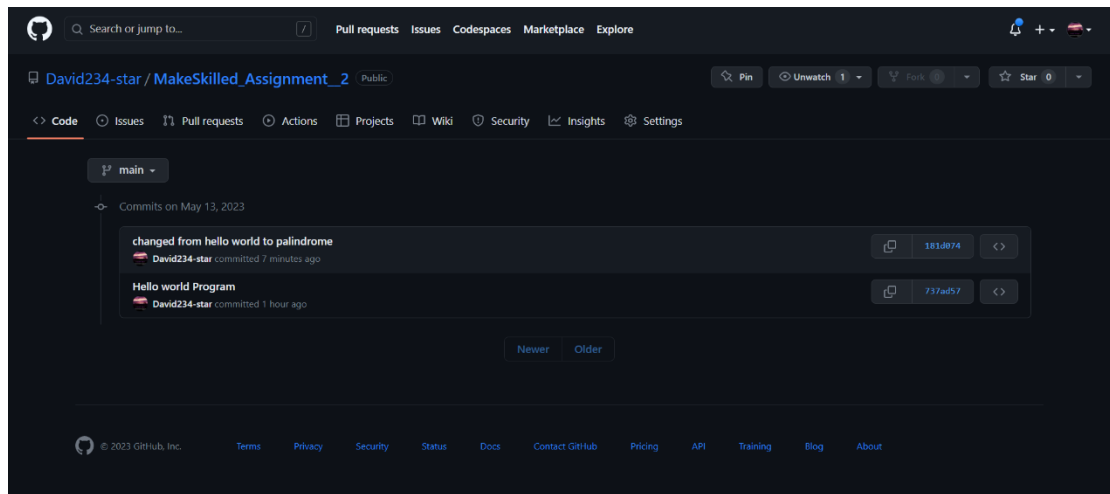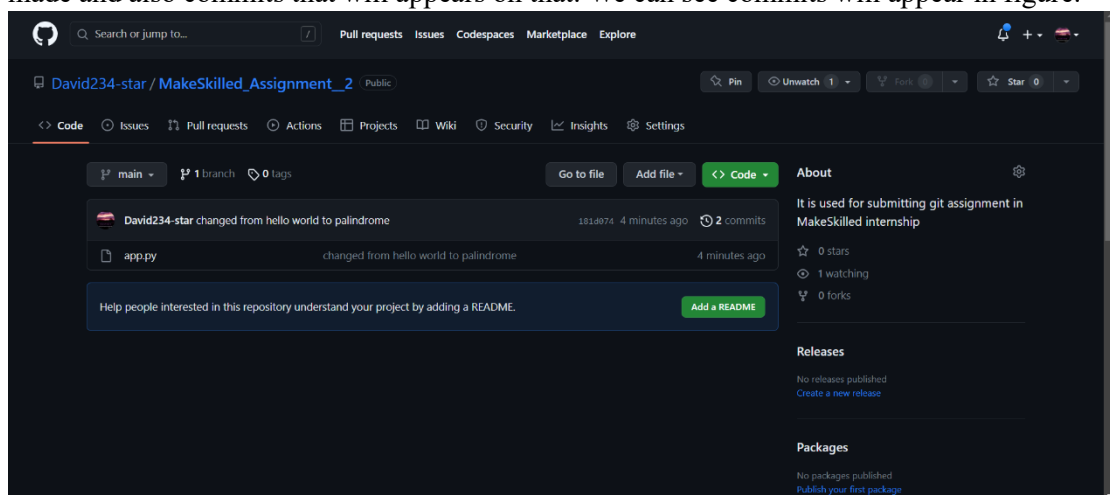
David234-star / **MakeSkilled_Assignment__2** Public

<> Code ⊙ Issues ⬦ Pull requests ⊙ Actions ▦ Projects ▢ Wiki ⊙ Security ⬳ Insights ⚙ Settings

changed from hello world to palindrome   **Browse files**

⬢ main

David234-star committed 5 minutes ago   1 parent 737ad57 commit 181d074

Showing **1** changed file with **14 additions** and **2 deletions.**   Split   Unified

⌄ 16 ▰▰▰▰▰ app.py ⧉   ⋯

```
@@ -1,3 +1,15 @@
1     - n = input("Enter your name: ")
   1  + def is_palindrome(string):
   2  +     # convert to lowercase and remove non-alphabetic characters
   3  +     string = "".join(c.lower() for c in string if c.isalpha())
   4  +     # compare to its reverse
   5  +     reversed_string = "".join(reversed(string))
   6  +     return string == reversed_string
2     
3     - print("Hello, World!",n)
      ⊖
   8  + # get user input for the string
   9  + user_input = input("Enter a string: ")
  10  +
  11  + # check if the string is a palindrome
  12  + if is_palindrome(user_input):
  13  +     print(f"{user_input} is a palindrome.")
  14  + else:
  15  +     print(f"{user_input} is not a palindrome.")
```

0 comments on commit 181d074   🔒 **Lock conversation**

Write   Preview   H B I ⬛ <> 𝒫 ≔ ≣ ⅜ @ ↪ ↩

Leave a comment

Attach files by dragging & dropping, selecting or pasting them.

Comment on this commit

🔔 Unsubscribe   You're receiving notifications because you're watching this repository.

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AIML – Assignment – 3

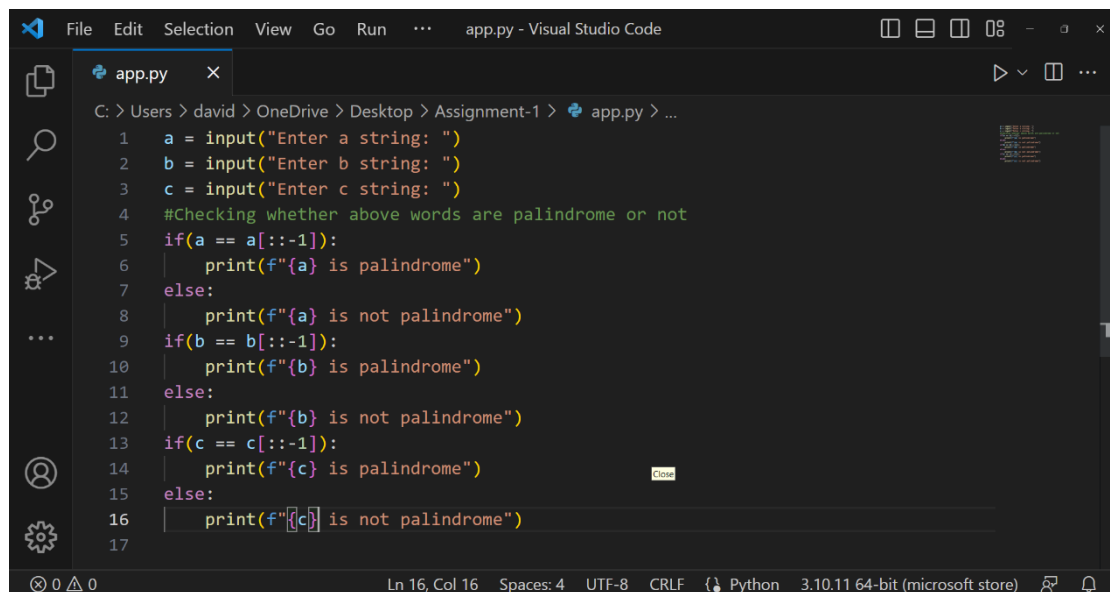**If the project manager asked you to create new branch and he said that from there you have to submit you work**

First, we have to create a new branch and start the process from there, by using the git commands it will make process fast and efficient. Here are the steps we have to follow.

Step-1: Now we have to create new branch by using the command called *git branch -m "branchname",* shown in figure below.

Step-2: The above figure shows the changes of existing python file and it is changed from complex program to simple if else condition statement for palindrome program. And if we check it with *git status* it shows in red mark on filename that has been changed. (Show in first figure)

Step-3: Now we have to add it to the branch that we have created by using the command called *git add <filename>* and we have to commit the changes by using the command *git commit -m "changes that we have made".* And again, if we check the status, it shows the fine sign.

```
C:\Users\david\OneDrive\Desktop\Assignment-1>git add app.py

C:\Users\david\OneDrive\Desktop\Assignment-1>git status
On branch Ranadheer
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        modified:   app.py

C:\Users\david\OneDrive\Desktop\Assignment-1>git commit -m "palindrome program using if else statment"
[Ranadheer a6a64c4] palindrome program using if else statment
 1 file changed, 15 insertions(+), 14 deletions(-)

C:\Users\david\OneDrive\Desktop\Assignment-1>git push origin Ranadheer
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 12 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 424 bytes | 424.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
remote:
remote: Create a pull request for 'Ranadheer' on GitHub by visiting:
remote:      https://github.com/David234-star/MakeSkilled_Assignment__2/pull/new/Ranadheer
remote:
To https://github.com/David234-star/MakeSkilled_Assignment__2.git
 * [new branch]      Ranadheer -> Ranadheer

C:\Users\david\OneDrive\Desktop\Assignment-1>
```
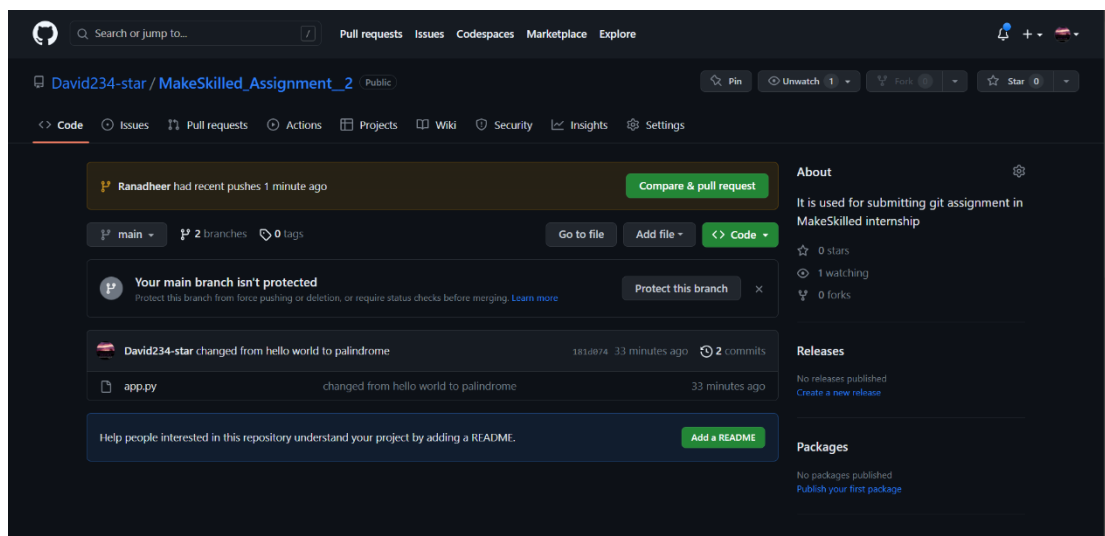
Step-4: Now we have to push the repository into branch which we have created (shown in figure above).

Step-5: Now we can check that some other branch is detected by repository in the figure below.

In general, these individual branches are used for maintaining the parallel versions of code to main branch, here are the points that explain the real time scenarios

1. Developers create a new branch from the main branch to work on new features or changes.

2.The developers make changes to the code in the new branch and test them locally.

3.Once the changes are tested and deemed ready for release, the developers push the changes to the beta version branch in GitHub.

4.Users can then download or install the beta version of the software and test it on their own systems.

Step-6: Here we can see the changes of code in commit section of other branch in a repository. (Shown in figure below)