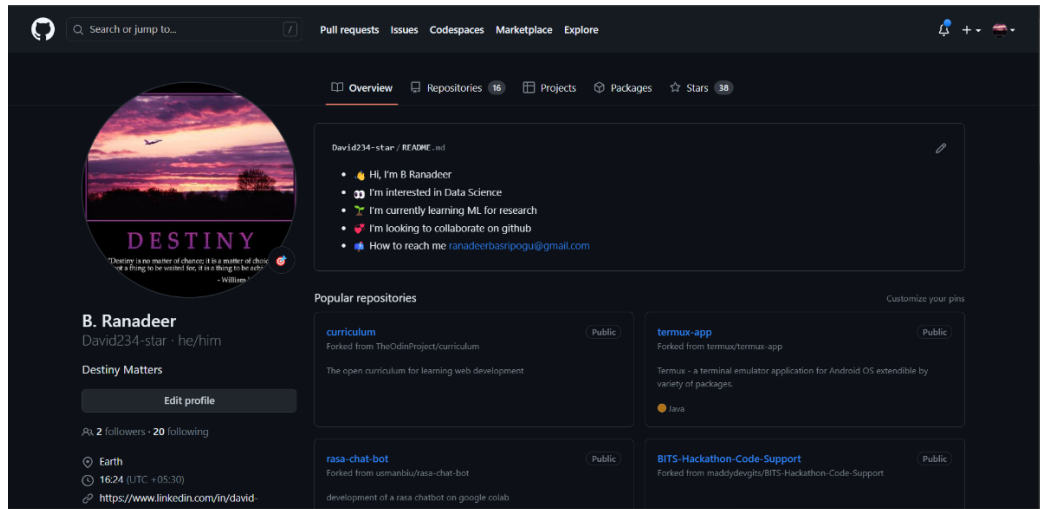


# AIML – Assignment-2

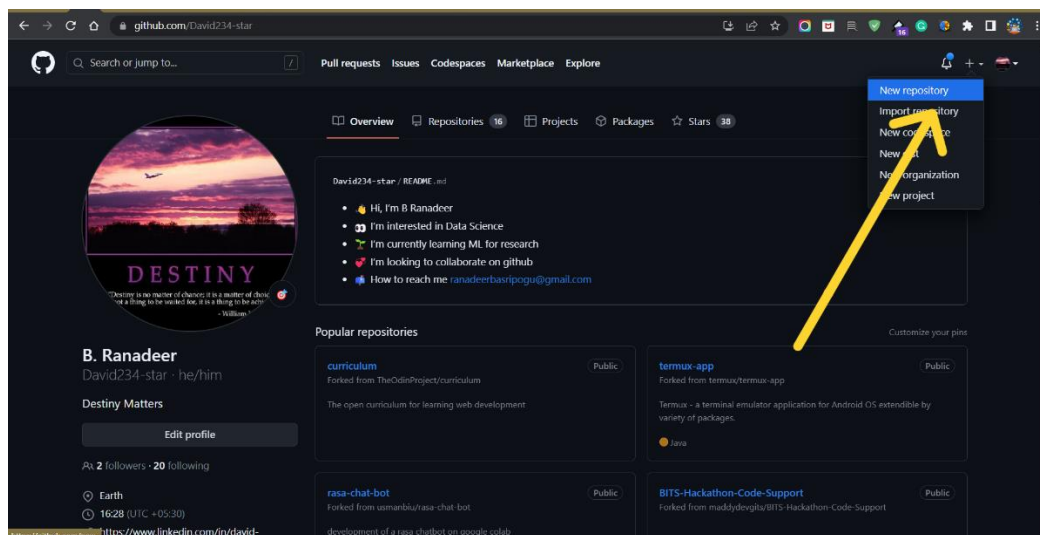
## Pushing the local repository into remote repository

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).



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## Create a new repository

A repository contains all project files, including the revision history. Already have a project repository elsewhere? [Import a repository.](#)

Owner \*

Repository name \*

David234-star / MakeSkilled\_Assignment\_2

MakeSkilled\_Assignment\_2 is available.

Great repository names are short and memorable. Need inspiration? How about [studious-goggles?](#)

Description (optional)

It is used for submitting git assignment in MakeSkilled internship

☒ Public

Anyone on the internet can see this repository. You choose who can commit.

☐ Private

You choose who can see and commit to this repository.

Initialize this repository with:

☐ Add a README file

This is where you can write a long description for your project. [Learn more about READMEs.](#)

Add .gitignore

.gitignore template: None

Choose which files not to track from a list of templates. [Learn more about ignoring files.](#)


Choose a license

License: None

A license tells others what they can and can't do with your code. [Learn more about licenses.](#)


You are creating a public repository in your personal account.

Create repository

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Figure (creating a repo)



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[Set up GitHub Copilot](#)

Use GitHub's AI pair programmer to autocomplete suggestions as you code.




[Invite collaborators](#)

Find people using their GitHub username or email address.

Quick setup — if you've done this kind of thing before

[Set up in Desktop](#) or [HTTPS](#) [SSH](#)

[https://github.com/David234-star/MakeSkilled\\_Assignment\\_2.git](https://github.com/David234-star/MakeSkilled_Assignment_2.git)



Get started by [creating a new file](#) or [uploading an existing file](#). We recommend every repository include a [README](#), [LICENSE](#), and [.gitignore](#).

...or create a new repository on the command line

```
echo "# MakeSkilled_Assignment_2" >> README.md
git init
git add README.md
git commit -m "first commit"
git branch -M main
git remote add origin https://github.com/David234-star/MakeSkilled_Assignment_2.git
git push -u origin main
```


...or push an existing repository from the command line


```
git remote add origin https://github.com/David234-star/MakeSkilled_Assignment_2.git
git branch -M main
git push -u origin main
```

...or import code from another repository

You can initialize this repository with code from a Subversion, Mercurial, or TFS project.

[Import code](#)

 **ProTip!** Use the URL for this page when adding GitHub as a remote.

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

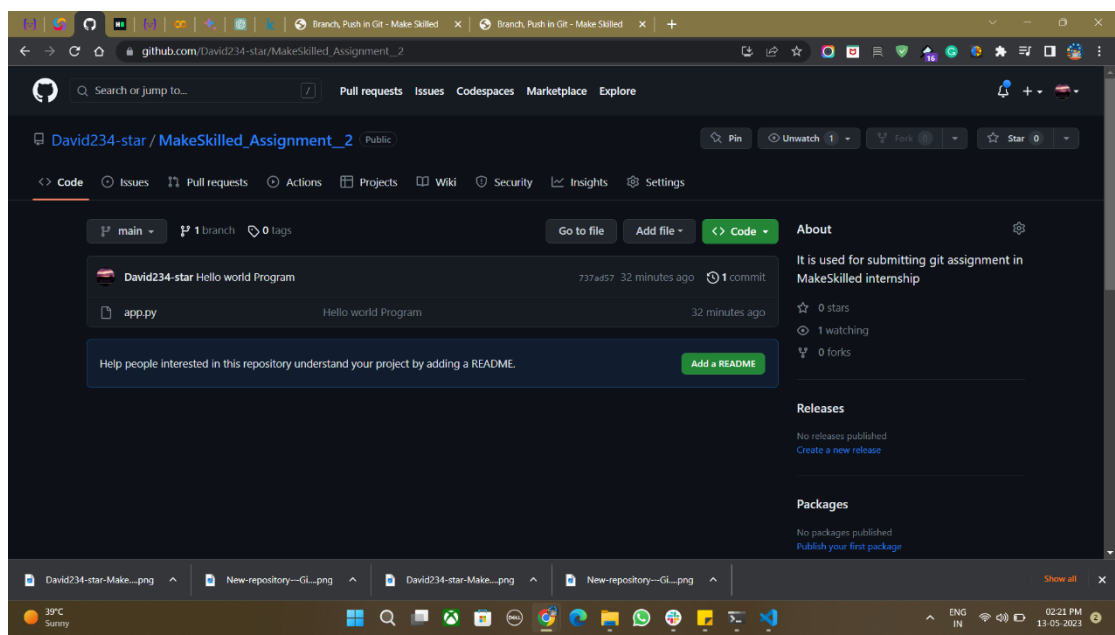
C:\Users\david\OneDrive\Desktop\Assignment-1>git remote add origin https://github.com/David234-star/MakeSkilled_Assignment__2.git

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

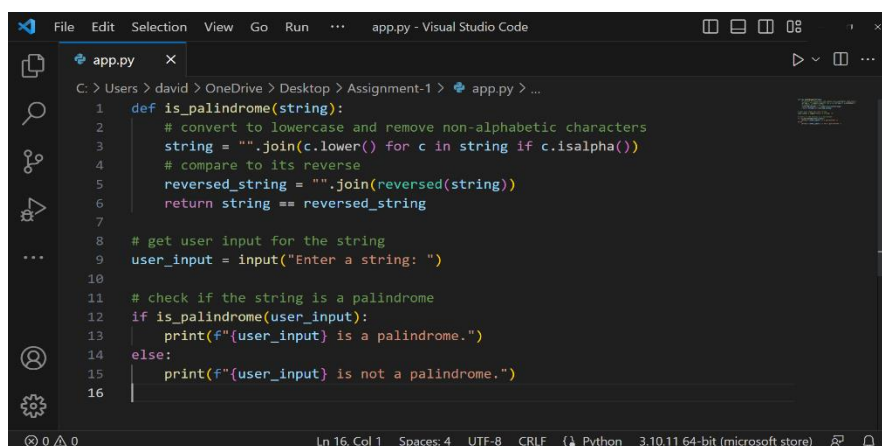
C:\Users\david\OneDrive\Desktop\Assignment-1>
```

```
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

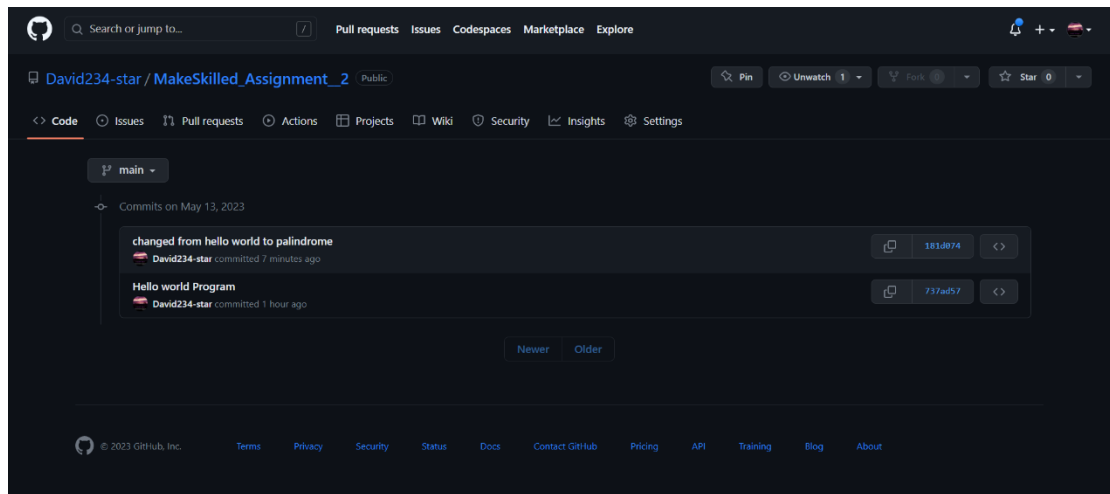
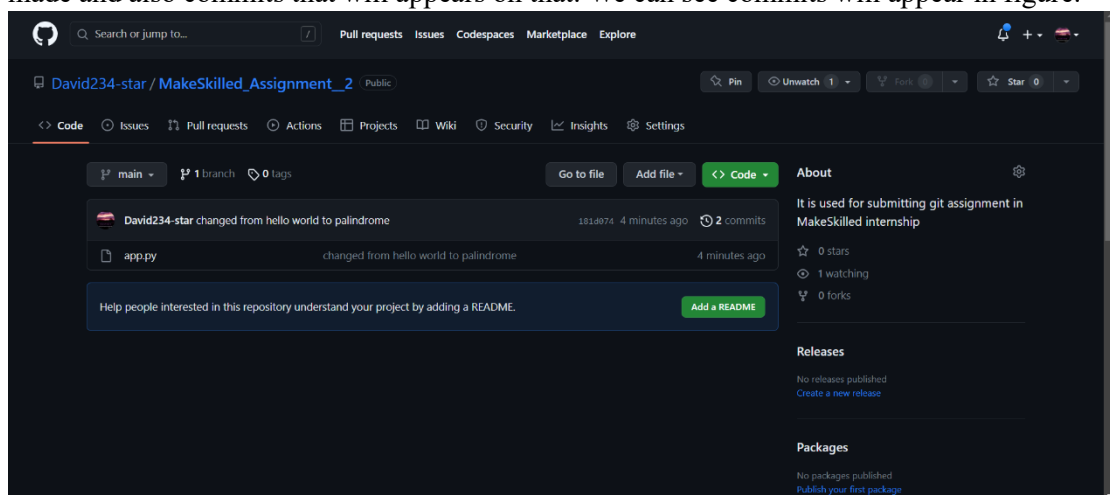
C:\Users\david\OneDrive\Desktop\Assignment-1>git commit -m "changed from hello world to palindrome"
[main 181d074] changed from hello world to palindrome
 1 file changed, 14 insertions(+), 2 deletions(-)

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

changed from hello world to palindrome

main

David234-star committed 5 minutes ago

Showing 1 changed file with 14 additions and 2 deletions.

```
16 app.py
@@ -1,3 +1,15 @@
- n = input("Enter your name: ")
+ def is_palindrome(string):
+     # convert to lowercase and remove non-alphabetic characters
+     string = "".join(c.lower() for c in string if c.isalpha())
+     # compare to its reverse
+     reversed_string = "".join(reversed(string))
+     return string == reversed_string
+
- print("Hello, World!\n")
+ # get user input for the string
+ user_input = input("Enter a string: ")
+
+ # check if the string is a palindrome
+ if is_palindrome(user_input):
+     print(f"{user_input} is a palindrome.")
+ else:
+     print(f"{user_input} is not a palindrome.")
```

0 comments on commit 181d074

Write Preview

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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Figure (we can see the code changes clearly)

# 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

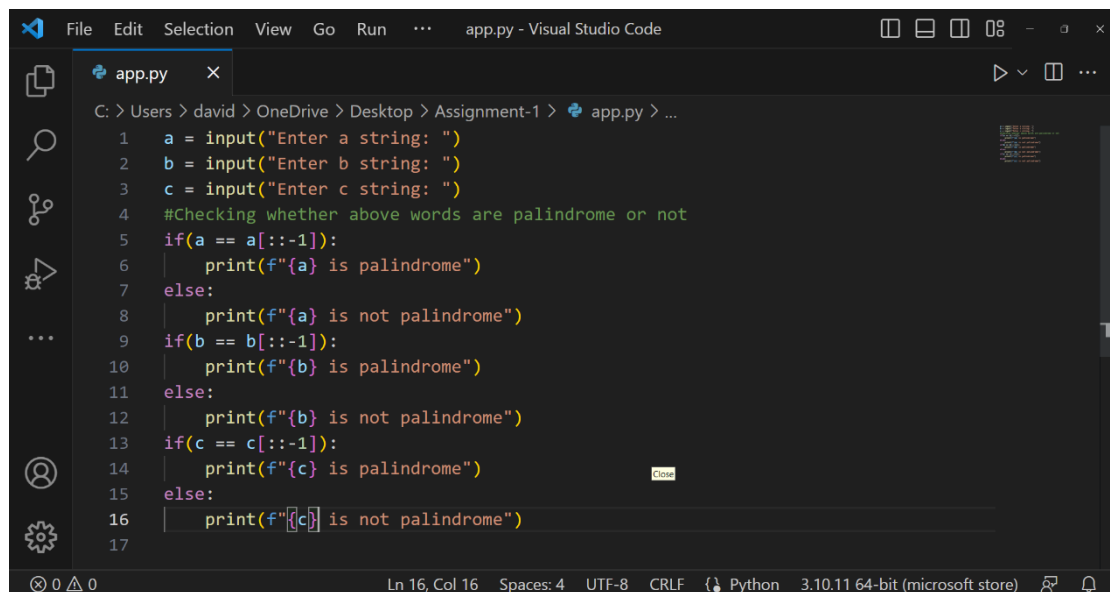
First, we have to create a new branch and start the process from there, by using the git commands it will make process fast and efficient. Here are the steps we have to follow.

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

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

C:\Users\david\OneDrive\Desktop\Assignment-1>git status
On branch Ranadheer
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")
```



**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(-)

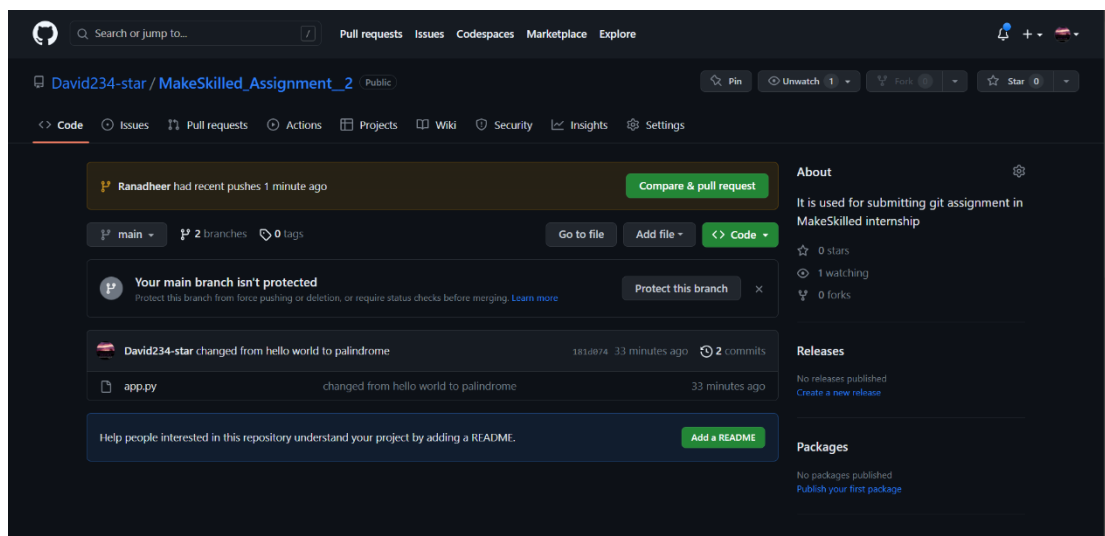
C:\Users\david\OneDrive\Desktop\Assignment-1>git push origin Ranadheer
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 12 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 424 bytes | 424.00 KiB/s, done.
Total 3 (delta 0), reused 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)

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base: main ← compare: Ranadheer ✓ Able to merge. These branches can be automatically merged.

Discuss and review the changes in this comparison with others. [Learn about pull requests](#) [Create pull request](#)

1 commit 1 file changed 1 contributor

Commits on May 13, 2023

palindrome program using if else statment  
David234-star committed 5 minutes ago

Showing 1 changed file with 15 additions and 14 deletions. [Split](#) [Unified](#)

```
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
7
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.")
16
17 + a = input("Enter a string: ")
18 + b = input("Enter b string: ")
19 + c = input("Enter c string: ")
20 + #Checking whether above words are palindrome or not
21 + if(a == a[::-1]):
22 +     print(f"{a} is palindrome")
23
24 + if(b == b[::-1]):
25 +     print(f"{b} is palindrome")
26 + else:
27 +     print(f"{b} is not palindrome")
28 + if(c == c[::-1]):
29 +     print(f"{c} is palindrome")
30 + else:
31 +     print(f"{c} is not palindrome")
```

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