Experiment No.-1.3

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Branch: CSE-AML **Section/Group:**
Semester: **Date of performance:22/08/2022**
Subject: Python for machine learning **Subject code:21CSH238**

1. **Aim/Overview of the practical:** Python Program to Check if a string is palindrome or not

2. **Task to be done:** We have to create a program which would take a string as an input from the user and reverse it, then check if it's a palindrome or not.

3. **Apparatus:**
   Visual Studio code

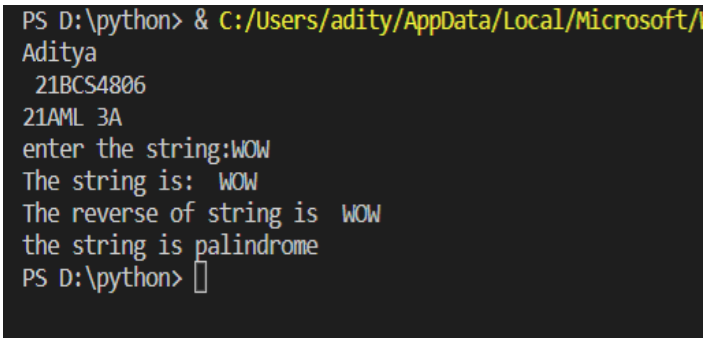
4. **Theme/Interests definition:**

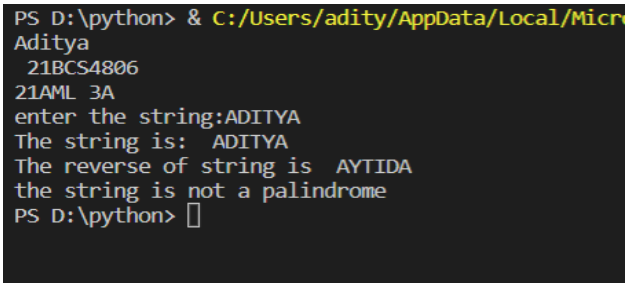
```
   #WAP to check if a string is a palindrome or not
print("Aditya \n 21BCS4806 \n21AML 3A")
a=str(input("enter the string:"))
print("The string is: ",a)
b=''
for i in range(-1,-(len(a)+1),-1):
    b=b+a[i]
print("The reverse of string is ",b)
if a==b :
    print("the string is palindrome")
else:
        print("the string is not a palindrome")
```

5. Steps for experiment/practical:

Step1. Take String as an input.
Step2. Print it.
Step3. Run loop (0, len(string)) to the length of the string.
Step4. Reverse the string .
Step5. Use conditional statement to check if it is a palindrome.
Step6. Print the output.

6. Observations/Discussions:





7. Result/Output/Writing Summary:

In this program we took String as input and after reversing it we checked if it is a palindrome.

8. Graphs (If Any): Image/Soft copy of graph paper to be attached here:

None

9. Learning outcomes (What I have learnt):

Here, I learnt:

1. Loops in python.
2. Reversing string.
3. Conditional statements.

Evaluation Grid (To be created as per the SOP and Assessment guidelines by the faculty):

Sr. No.	Parameters	Marks Obtained	Maximum Marks
1.			
2.			
3.			