

Code : Problem 9

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"""

Problem Statement : Write a python program that accepts a string from user and perform following string operation

1. Calculate length of string
2. String Reversal
3. Equality check of two string
4. Check palindrome
5. Check Substring

"""

Solution :

```
str = input("Enter the string that you want :")

# Calculate the length of string
print(f"\nThe length of string entered by user = {len(str)}")

# String reversal :
print(f"\nThe reverse of string = {str[::-1]}")

# Check palindrome :
if str == str[::-1]:
    print("\nThe string is palindrome !!")
else:
    print("\nThe string is not palindrome !!")

# Equality check of two string

print("\nPlease Check Equality of String ==> ")

str1 = input("Enter the new string yo check equality with above
string i.e.str :")
```

```

if str == str1:
    print("Both the strings are equal")
else:
    print("Both the string are not equal")

# check substring :

print("\nPlease Check Substring ==>")
sub1 = input("Enter the string to check whether the string is
substring of above string or not : ")

if sub1 in str:
    print(f'(sub1==> "{sub1}") is substring of (str==>
"{str}")')
else:
    print(f'(sub1==> "{sub1}") is not substring of (str==>
"{str}")')

"""

```

Output :

Enter the string that you want : **Vaishnavi Gangurde**

The length of string entered by user = 18

The reverse of string = edrugnaG ivanhsiaV

The string is not palindrome !!

Please Check Equality of String ==>

Enter the new string yo check equality with above string i.e.str : **Lalita Gangurde**

Both the string are not equal

Please Check Substring ==>

Enter the string to check whether the string is substring of above string or not :

Vaishnavi

(sub1==> "Vaishnavi") is substring of (str==> "Vaishnavi Gangurde")

"""

