

EX:6

1. Python Program to check whether the input string is palindrome.

Program:

```
n=input("enter the string:")
```

```
print(n[::-1])
```

```
if(n==n[::-1]):
```

```
print("This is a palindrome string")
```

```
else:
```

```
print("not palindrome")
```

output:

enter the string:Malayalam

Malayalam

This is a palindrome

2.Reverse the string

```
n=input("enter the string:")
```

```
print("the reversed string is",n[::-1])
```

output:

enter the string:maths

the reversed string is: shtam

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3.find the length of the string

program:

```
n=input("enter your string")
```

```
c=0
```

```
for i in n:
```

```
    c+=1
```

```
print(c)
```

```
print("the length of the string is:",c)
```

output;

enter your stringmatcha rani

11

the length of the string is: 11

4.write a program that accepts a string from the user and display the string after replacing the vowel character with @

Program;

```
str = input("Enter the string :")
```

```
newStr = ""
```

```
for ch in str :
```

```
    if ch == 'a' or ch == 'e' or ch == 'i' or ch == 'o' or ch == 'u':
```

```
        newStr += '@'
```

```
    elif ch == 'A' or ch == 'E' or ch == 'T' or ch == 'O' or ch == 'U':
```

```
        newStr += '@'
```

```
    else :
```

```
        newStr += ch
```

```
print(newStr)
```

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output:

Enter the string :matcharani

m@tch@r@n@