PYTHON PROGRAMMING WITH STRINGS

Program 1 : - To check whether the input string is palindrome.

```
a=input("Enter a word: ").lower()
print("The Original word is",a)
b=""
for item in a:
    b=item+b
print("The Reversed word is",b)
if(a==b):
    print("It is a Palindrome Word")
else:
    print("It is not a Palindrome Word")
```

Output :-

```
Enter a word: mom
The Original word is mom
The Reversed word is mom
It is a Palindrome Word

Enter a word: man
The Original word is man
The Reversed word is nam
It is not a Palindrome Word
```

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Program 2:- Reverse the String

```
a=input("Enter a word: ").lower()
print("The Original word is",a)
b=""
for item in a:
    b=item+b
print("The Reversed word is",b)
```

Output :-

```
Enter a word: mom
The Original word is mom
The Reversed word is mom

Enter a word: man
The Original word is man
The Reversed word is nam
```

PYTHON PROGRAMMING WITH STRINGS

Program 3 :- Find the length of the string

```
a=input("Enter a String: ")
c=0
for i in a:
        c+=1
print("The Number of letter in the string is",c)
```

Output :-

```
Enter a String: Harish
The Number of letter in the string is 6
```

PYTHON PROGRAMMING WITH STRINGS

Program 4 :- W rite a program that accepts a string from the user and display the string after replacing the vowel character with @

Test Data :

ENGINEERING ----> @NG@N@@R@NG

COLLEGE -----> C@LL@G@

```
str1=input("Enter the string : ")
vowel=['a','e','i','o','u','A','E','I','O','U']
for i in str1:
if i in vowel:
        i="@"
        print(i,end="")
else:
        print(i,end="")
```

Output :-

```
Enter the string : Harish
H@r@sh
```