

EXP NO:6

DATE: 25/01/23

PROGRAMS ON STRINGS.

1)Check the given string is palindrome or not.

PROGRAM:

```
str=input("Enter a string :")
i=0
for i in range(len(str)):
    if str[i]!=str[-1-i]:
        print('It is not a palindrome')
        break
else:
    print('It is a palindrome')
```

OUTPUT:

Enter a string :malayalam

It is a palindrome

2) Reverse a string

PROGRAM:

```
def Str reversed(str1):
    if(len(str1) == 0):
        return str1
    else:
        return Str reversed(str1[1:]) + str1[0]
```

```
str2 = input(" enter a string: ")
```

```
str3 = Str reversed(str2)
```

```
print("\nThe Original = ", str2)
```

```
print("The reversed = ", str3)
```

OUTPUT:

enter a string: noon
The Original = noon
The reversed = noon

3)Length of the string**PROGRAM:**

```
string=input("Enter string:")  
count=0  
for i in string:  
    count=count+1  
print("Length of the string is:")  
print(count)
```

OUTPUT:

Enter string:python
Length of the string is:
6

4) write 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@

PROGRAM:

```
print("Enter a String: ", end="")  
str = input()  
  
print("Enter a character to replace all vowels with it: ", end="")
```

```
char = input()

newstr = ""
vowels = ['a', 'e', 'i', 'o', 'u', 'A', 'E', 'I', 'O', 'U']

for i in range(len(str)):
    if str[i] in vowels:
        newstr = newstr + char
    else:
        newstr = newstr + str[i]

print("\nOriginal String =", str)
print("New String =", newstr)
```

OUTPUT:

Enter a String: ENGINEERING

Enter a character to replace all vowels with it: @

Original String = ENGINEERING

New String = @NG@N@@R@NG

Enter a String: COLLEGE

Enter a character to replace all vowels with it: @

Original String = COLLEGE

New String = C@LL@G@