PROGRAMS ON STRINGS

1.CHECKING PALINDROME STRING:

PROGRAM:

```
str=input("Enter the string : ")
new=""
for i in str:
    new=i+new
if(str == new):
    print("The given string is PALINDROME ! ")
else:
    print("The given string is not PALINDROME ! ")
```

OUTPUT:

Enter the string : mom

The given string is PALINDROME !

Enter the string : surya

The given string is not PALINDROME !

22CSEA61
C.V.SURYA NAARAAYANAN

2.REVERSING A STRING:

PROGRAM:

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

print("The given string is")
for i in str:
    print(i,end="")
print("")

print("The reversed string is")
for i in str:
    new=i+new
print(new,end="")
```

OUTPUT:

Enter the string : SURYA

The given string is

SURYA

The reversed string is

AYRUS

3.FIND LENGTH OF A STRING:

PROGRAM:

```
str=input("Enter the string to find length : ")
sum = 0
for i in str:
    sum = sum + 1
print("Length of string : ",end = "")
print(sum)
```

OUTPUT:

Enter the string to find length : surya

Length of string : 5

22CSEA61
C.V.SURYA NAARAAYANAN

4.WRITE A PROGRAM TO ACCEPT YOUR STRING FROM THE USER AND DISPLAY THE STRING AFTER REPLACING THE VOWEL CHARACTER WITH SYMBOL @:

PROGRAM:

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

OUTPUT:

Enter a string:SURYA

S@RY@

22CSEA61
C.V.SURYA NAARAAYANAN