Ex.No: 7a	STRING REVERSE
Date :	

AIM:

To write a python program to calculate the reverse of a string.

ALGORITHM:

1. Start the program.
2. A method named reverse is defined, that takes a string as a parameter.
3. It checks the length of the string and if it is not 0,then the function is called again on all elements except the first element of the string, and the first elemnt of the string is concatenated to the result of this function call.
4. By default, the string name is given as input in variable s.
5. Prints the original string and the reversed string.
6. Stop the program.

Program:

```
def reverse(s):
    if len(s) == 0:
        return s
    else:
        return reverse(s[1:]) + s[0]

s = "Computer Science and Engineering"

print ("The original string  is : ",end="")
print (s)

print ("The reversed string(using recursion) is : ",end="")
print (reverse(s))
```

OUTPUT:

The original string is : Computer Science and Engineering

The reversed string(using recursion) is : gnireenignE dna ecneicS retupmoC

RESULT:

Thus the python program to calculate the reverse of a string is executed.