7. Write a program   to print the reverse of a string using recursion

PROGRAM:

```python
def reverse_string(s):
    if len(s) == 0:
        return s
    else:
        return reverse_string(s[1:]) + s[0]
input_string = "Hello, World!"
reversed_string = reverse_string(input_string)
print("Original String:", input_string)
print("Reversed String:", reversed_string)
```

INPUT:

"Hello, World!"

OUTPUT:

```
Original String: Hello, World!
Reversed String: !dlroW ,olleH
```

TIME COMPLEXITY:

Time complexity of the above code is

f(n)=O(n)