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

Program:

```
def reverse_string(source):
    if len(source) == 0:
        return ""
    else:
        return source[-1] + reverse_string(source[:-1])
source_str = "Hello, World!"
result = reverse_string(source_str)
print("Reversed string:",result)
```

Output:

```
C:\Users\srika\Desktop\CSA0863\pythonProject\.venv\Scripts\python.exe "C:\Users\srika\Desktop\CSA0863\pythonProject\problems\CSV files.py"
Reversed string: !dlroW ,olleH

Process finished with exit code 0
```

Time complexity:

O(n^2)