

## 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:  $O(n^2)$