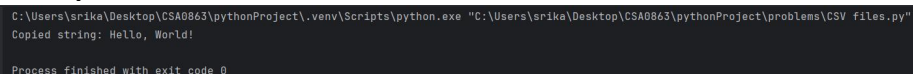## 6. Write a program for to copy one string to another using recursion

Program:

```python
def copy_string(source, destination, index=0):
    if index == len(source):
        return destination
    else:
        destination += source[index]
        return copy_string(source, destination, index + 1)
source_str = "Hello, World!"
destination_str = ""
result = copy_string(source_str, destination_str)
print("Copied string:",result)
```

Output:

```
C:\Users\srika\Desktop\CSA0863\pythonProject\.venv\Scripts\python.exe "C:\Users\srika\Desktop\CSA0863\pythonProject\problems\CSV files.py"
Copied string: Hello, World!

Process finished with exit code 0
```

Time complexity:O(n^2)