7.WRITE A PROGRAM TO PRINT THE REVERSE STRING USING RECURSION
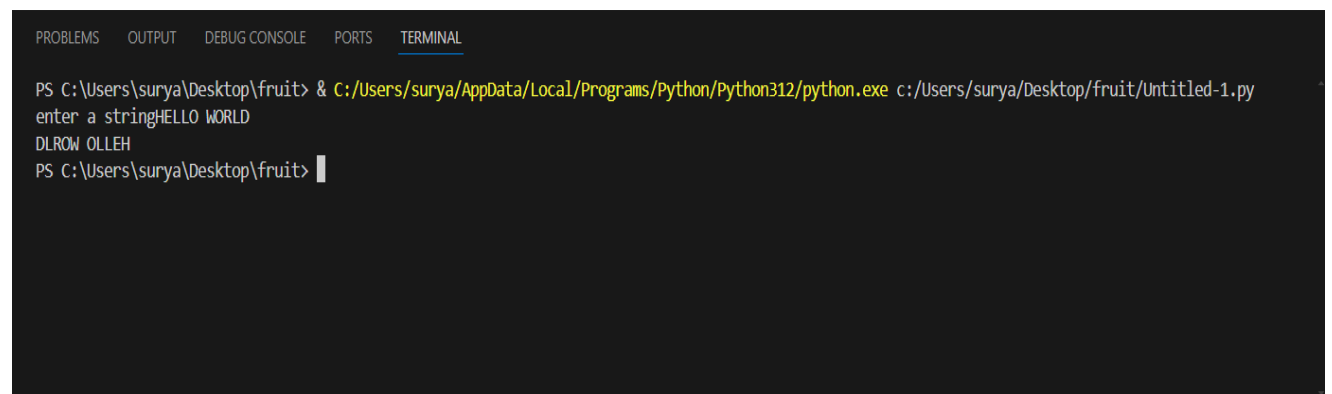
PROGRAM:

```python
def reverse(s):
    if len(s)==0:
        return s
    else:
        return reverse(s[1:])+s[0]
string=input("enter a string")
reversed=reverse(string)
print(reversed)
```

TIME COMPLEXITY:O(n^2)

INPUT:HELLO WORLD

OUTPUT:

```
PROBLEMS    OUTPUT    DEBUG CONSOLE    PORTS    TERMINAL

PS C:\Users\surya\Desktop\fruit> & C:/Users/surya/AppData/Local/Programs/Python/Python312/python.exe c:/Users/surya/Desktop/fruit/Untitled-1.py
enter a stringHELLO WORLD
DLROW OLLEH
PS C:\Users\surya\Desktop\fruit>
```