CSA0670-Design and Analysis of Algorithms for Tractability Problems.

5. Write a program to find the Factorial of a number using recursion.

Program:

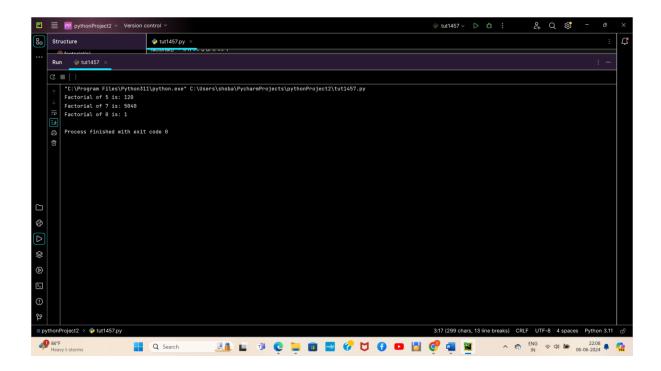
```
def factorial(n):
    if n == 0 or n == 1:
        return 1
    return n * factorial(n - 1)

num = 5
print("Factorial of {} is: {}".format(num, factorial(num)))

num = 7
print("Factorial of {} is: {}".format(num, factorial(num)))

num = 0
print("Factorial of {} is: {}".format(num, factorial(num)))
```

Output:



Time Complexity: O(n)