5.write a program to find factorial of a number using recursion

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Program:-
def factorial(n):
    if n == 0:
        return 1
    else:
        return n * factorial(n-1)
num = int(input("Enter a number: "))
print("Factorial of", num, "is", factorial(num))
output:-
```

```
Enter a number: 6
Factorial of 6 is 720
=== Code Execution Successful ===
```

Time complexity:-O(n)