5. Write a program to find the Factorial of a number using recursion PROGRAM:
def factorial(n):
 if n <=1:
 return 1
 else:
 return n\*factorial(n-1)</pre>
n=int(input("enter the number"))
result=factorial(n)

INPUT: enter the number: 5

print(f"the factorial of {n} is :",result)

OUTPUT: the factorial of 5 is : 120

TIME COMPLEXITY: O(n)