

Aim:

Write and execute a Python program to find the factorial of a number using functions.

Input format:

- The input should be a non-negative integer

Output format:

- The output should be factorial of that number

Source Code:

factorial.py

```
#def factorial(n):
import math as m
def factorial(n):
    a=m.factorial(n)
    return a
    #write your code here
num=int(input())
print(factorial(num))
```

Execution Results - All test cases have succeeded!

Test Case - 1
User Output
5
120

Test Case - 2
User Output
10
3628800