

```
def factorial(n):  
    if n == 0:  
        return 1  
    else:  
        fact = 1  
        for i in range(1, n+1):  
            fact = fact * i  
        return fact  
  
num = int(input("Enter a number to calculate its factorial: "))  
result = factorial(num)  
print("Factorial of {} is {}".format(num, result))
```