

```
def recur_factorial(n):  
    if n == 1:  
        return n  
    else:  
        return n * recur_factorial(n - 1)  
  
#take input from the user  
num = int(input("Enter a number:"))  
#check is the number is negative  
if num < 0:  
    print("Sorry,factorial does not exist for negative numbers")  
elif num == 0:  
    print("The factorial of 0 is 1")  
else:  
    print("The factorial of", num, "is", recur_factorial(num))
```