```python
def recur_factorial(n):

    if n==1:

        return n

    else:

        return n*recur_factorial (n-1)
#taken input from the user

num=int(input("Enter S number:"))

#check is the number is negative

if num<0:

   print("Sorry, factorial does not exist       for negative number")

elif num==0:

   print("The factorial of 0 is 1")

else:

   print("The factorial of",num, "is",          recur_factorial (num
```