

main (1)

```
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("defthe factorial if 0 is 1")  
else:  
    print("the factorial of",num,"is",recur_factorial(num))
```