#1.1 Implement a recursive function to calculate the factorial of a given number

"""

1!=1×1

2!=2×1!--->2×1

3!=3×2!--->3×2×1

.

.

10!=10×9!--->10×9×8×....×1

Formula=n×(n-1)!

"""

def fact\_rec(n):

if n==0 or n==1:

return 1

else:

return n\* fact\_rec(n-1)

number=int(input ("Enter the value:"))

res=fact\_rec(number)

print(" The factorial of {} is {}.".format(number,res))