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

```
"""
1!=1 x 1
2! =2x1!--->2x1
3! =3x2!--->3x1
.

.

.
10! =10x9!
Formula - nx(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 a value : "))
res = fact_rec(number)

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