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

def fact_rec(n) :
  if n==0 or n==1:
    return 1
  else:
    return n*fact_rec(n-1)

number = 2
res = fact_rec(number)

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