

```
1  # Factorial of a number using recursion
2
3  def recur_factorial(n):
4      if n == 1:
5          return n
6      else:
7          return n*recur_factorial(n-1)
8
9  num = 7
10
11 # check if the number is negative
12 if num < 0:
13     print("Sorry, factorial does not
        exist for negative numbers")
14 elif num == 0:
15     print("The factorial of 0 is 1")
16 else:
17     print("The factorial of", num,
        "is"recur_factorial(num))
18
```

The factorial of 7 is 5040

