#### Exercise 6

Please complete the following exercise this week. Write a Python script containing a function called **factorial()** that takes a single input/argument which is a positive integer and returns its factorial. The factorial of a number is that number multiplied by all of the positive numbers less than it. For example, the factorial of 5 is 5x4x3x2x1 which equals 120. You should, in your script, test the function by calling it with the values 5, 7, and 10.

#Oilbhe Daszynska, 2018-03-11

#Factorial

def factorial(n):

if n==1 or n==0:

return 1

else:

return n \* factorial(n-1)

number = int(input("Enter number for factorial calculation:"))

fact = factorial(number)

print(f"factorial({number}) = {fact}")

