Procedural Programming Laboratory
Lab 4

Part 1

Write a program that reads in integers from the command prompt until the user enters -1. It should then find the average of the numbers.

Finally, the program should display the following:

- The total sum of the numbers entered.
- The average of the number entered.
- The smallest and largest numbers entered.
- The total number of valid integers entered.

Part 2

The factorial function is used frequently in probability models. For example the factorial of the number 10 is:

$$10! = 10*9*8*7*6*5*4*3*2*1$$

Write a program that reads an integer value from the command prompt and displays the factorial for that value.

You should submit your design, your code and a sample of the input and output in a single MS Word file to moddle.

Deadline: 21st October 2016 at 12noon