SDET University

Lab 1 – Basics of Programming

1. Write a function that takes a value n returns the sum of numbers 1 to n

2. Write a function that computes the factorial value
   Definition: n! = n(n-1)! , where 0! = 1*
   1! = 1
   2! = 2 * 1! = 2 * 1
   3! = 3 * 2! = 3 * 2 * 1! = 3 * 2 * 1
   4! = 4 * 3! = 4 * 3 * 2! = 4 * 3 * 2 * 1! = 4 * 3 * 2 * 1
   Hint: use the recursive method that was used to calculate Fibonnaci number

3. Write 3 functions that take an array as a parameter and return the minimum, average, and maximum values of that array.
   Hint: this should be static functions with a return type of the same data type as the array declaration.