Computer Programming for Engineering
CPA 2
Due Date: January 27, 2019; Time: 11:59 pm on CAMU

Instructions: Write all the functions in a single file called functions.py. Have another file called test.py where you test the functions in functions.py. Put both files in a zipped folder named CPA2_firstname_lastname.zip and submit on CAMU.

Question 1

Write a function to compute the sum of the first 100 even numbers.

Question 2

Write a function to compute the sum of the first 50 odd numbers.

Question 3

Write a function called factorial that computes the product of the first N numbers where N is a parameter.

Question 4

Write a function to compute the Nth Fibonacci number where N is a parameter. You may assume that N will be greater than 3.

Question 5

It is also possible to write the Wallis function by pairing the fractions by their denominators. Rewrite the Wallis function using this pairing. [Hint: The first term will not be part of a pair]