

BIL102E

Lab 7 Functions

Q1: Finding the area and perimeter (or circumference) of the following geometric shapes (shapes.c)

- Rectangle
 - Square
 - Circle
- Hint: You will send the parameters to the functions, then the functions are going to return the expected output.

Q2 :Finding minumum of 4 number (min_number_of_four.c)

Write a function `int min_of_four(int a, int b, int c, int d)` which reads four arguments and returns the smallest among them all.

Q3 Finding fibonacci numbers (fibonacci.c)

The Fibonacci sequence are the numbers in the following integer order.

0, 1, 1, 2, 3, 5, 8, 13, 21, 34, 55, 89, 144,

In mathematical terms, the sequence F_n of Fibonacci numbers is defined by the following recurrence relation

$$F_n = F_{n-1} + F_{n-2}$$

with seed values

$$F_0 = 0 \text{ and } F_1 = 1.$$

- Your function should accept an integer index of the Fibonacci sequence, n , which is going to return the n^{th} element of the Fibonacci sequence.