

Procedural Programming Laboratory

Lab 6

Part 1: Recursive Methods

Write a program that adds two matrices.

The matrices should be of size 3x3 and the user is asked to input the value in both matrices.

The program should then display the result of the addition.

Part 2: Structures and File Access

Write a program that uses three functions:

Instructions() is a function that takes no arguments and returns no value but simply displays the instructions on what the program does using printf statements.

Average() is a function that takes 3 integer arguments and returns the average of them as a floating point number

Display() is a function that takes one floating point number as an argument and displays the value of it.

Your program should start by calling Instructions(), then it should read the integers after asking the user for them.

It should then call the function Average() to find the average of the three numbers.

Finally, it should display the result by calling the function Display().

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

Deadline: 25th November 2016 at 12noon