COMP1551 Application Development

Laboratory Session 3

Task 1

Explore the examples from the lecture slides. Implement them as a C# Console Applications and test them.

Task 2

Download "Program Logarithm" from the Moodle page of the module, which calculates the logarithm of A to the base of B. Test the program with different values for A and B. Modify the program to allow the user to enter the values for A and B.

Task 3

Define a class with the following methods:

- *Initialise*: a method which initialises an array with 10 random integer values
- *Display*: method which displays all values of the array with their corresponding indices
- *FindMaximum* and *FindMinimum*: methods which return the maximum and the minimum values of the array
- *FindMaximumPosition* and *FindMinimumPosition*: methods which store the positions of the maximum and the minimum values into private class variables
- *GetMaximumPosition* and *GetMinimumPosition*: methods which return the positions of the maximum and the minimum values of the array

Test the methods.