

# **Procedural Programming Laboratory**

## **Lab 6**

### **Part 1**

Write a program that reads 20 integers into an array.

It should then find the average of the numbers in the array.

Finally, it should display the numbers in the array that are less than the average value calculated.

### **Part 2**

Write a program that reads two strings (string1 and string 2) and an integer from the user.

The program should do the following:

- Display the length of both strings.
- Display both strings.
- Compare both strings and display the bigger string.
- Compare a number of characters, specified in the user input, of both strings and display the bigger sub-string.
- Concatenate string2 to string1.
- Display both strings.
- Concatenate the first three characters of string2 to string1.
- Display both strings.
- Copy string2 to string1.
- Display both strings.
- Copy the first three characters of string1 to string2
- Display both strings.

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

**Deadline: 4<sup>th</sup> November 2016 at 12noon**