**CPSC1012 In-Class Exercise #4 – Arrays**

Student Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Student Mark: \_\_\_\_\_\_\_\_ / **5**

**INSTRUCTIONS**

Complete this requirements of this assignment on your own. When you have finished this assignment write your name on the board to get your instructor to mark your assignment.

In this assignment you will write a program to populate an array of strings (MAX\_SIZE = 10) from user input. Your program will then reverse the order of the elements in the array. The program will also have a method that allows the contents of the array to be displayed.

**Step 1:** Create a program named ***CPSC1012-Exercise4-YourName***.

**Step 2:** Create the methods specified below.

static int PopulateArray(string[] words, int max )

**Input parameters**

**words:** an empty string array

**max:** maximum physical size of the array

**Return value**

Logical size of the array

**Step 3:** Create the method specified below.

static string[] ReverseArray(string[] words, int size)

**Input parameters**

**words:** the string array

**size:** logical size of the array

**Return Value**

The reversed array.

**Step 4:** Create the method specified below

static void DisplayArray (string[]words, int size)

**Input parameters**

**words:** the string array

**size:** logical size of the array

**Outputs**

Displays the contents of the array.

**Step 5:** From M**ain()**, provide required additional code, then call the methods in the above order.