**CPSC1012 In-Class Exercise #9 – Arrays – Creating and Processing Array Elements**

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| Student Name: |  | Student Mark: |  | /5 |

**INSTRUCTIONS**

Complete the requirements of this assignment on your own. When you have finished, write your name on the board to get your instructor to mark your assignment. You are encouraged to create a flowchart; without a flowchart your instructor may not provide any assistance.

**Step 1:** Create a program named CPSC1012-Ex09-YourName

**Step 2:** Create the method specified below:

static int EnterGrades(int[] grades, int max)

**Input/output parameter:**

**grades**: (input) an empty array of grade

(output) an updated array of grade with values entered by the user

**Input parameters:**

**max**: the maximum number of grades to enter

**Returns:**

How many grades were entered

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

static void SortGradesDescending(int[] grades, int size)

**Input/output parameters:**

**grades**: (input) grade values

(output) sorted grade values from highest grade to lowest grade

**Input parameters:**

**size**: number of grades (the logical size of the array)

**Output:**

Void (the array will be sorted from highest grade to lowest grade)

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

static void DisplayArray(int[] grades, int size)

**Input parameters:**

**grades**: an integer array for the student grades

**size**: number of grades (the logical size of the array)

**Output:**

The grades array, and the average of the grades, will be displayed.

**Step 5:** In the Main() method, provide required additional code, then call the methods in the above order.

**Sample Output**

