**Lab # 8 (Weight - 3%) – Arrays**

**Instructions:**

* Late lab is not accepted and will be graded as ‘0’.

**Problem:**

Using arrays, develop an application to store and process the grades of a class for a professor if a class has 10 students.

The application should accept the following data for each student:

* + Name of Student
  + Midterm and FinalExam grade between 0 and 30 (validate for this)
  + Assignment1 and Assignment2 score between 0 and 20 (validate for this)

Once all the valid data for each student is entered. It should generate the grade report of the class i.e.

* + Print details of each student along with the total test score, total assignment score, and overall percentage i.e. it should print name, assignment1, assignment2, Midterm, Final, Assignment total, test total and overall score
  + Display the average, lowest and highest score in each category.

**Submission**: Take a screen shot of both the Main class and output and submit.

**Grading:**

1 point –

* + Demonstrated use of arrays

1 point –

* + Producing the requested output

1. point –
   * data validation (0.5 points)
   * Overall logic needed. (0.5 point)