COSC 1437.S01

**PROGRAM SIX**

**ASSIGNMENT:**

Create a Student class which will contain the following:

1. A String object to hold a student’s last name
2. An array object to hold five integers representing the student’s grades
3. A method to read in the Student class from a file formatted as:
   1. Name on one line by itself
   2. Five integer values for the grades on one line delineated by commas
4. A method to display the students name, grades, and average.

An Array class will be used to hold the collection of Student objects. This Array class will have a method to sort the Student records by name.

Demonstrate the correct working of your classes by reading in a collection of student records from a file, sort the records, and print them. If a name is “EOF” it will mark the end of the file.

There will be a maximum of 25 student records in the file, although it may be less.

**TO TURN IN:**

1) A printed listing of the class and all associated functions.

2) A printed listing of your test program used in your testing.

3) A copy of the files in the project folder as created by Visual Studio and a copy of the .exe file from the debug folder. These may be “zipped” placed on a 3 ½ inch floppy, a CD, or emailed to the instructor with the subject line “COSC 1437.S01 – Lab 6”.

**DUE DATE:** 14 April 2011