# Programming Proficiency Assignment

In this assignment you will be taking the assignment that you built during the application process and converting it to a C# console application.

Before starting on this application read about the following topics

* Creating a console application - <http://msdn.microsoft.com/en-us/library/k1sx6ed2%28v=vs.100%29.aspx>
* C# Programming Guide - <http://msdn.microsoft.com/en-us/library/67ef8sbd%28v=vs.100%29.aspx>

## Assignment

Attached is a list of students with scores.  The format of the list is as follows (each student is on his or her own line):

StudentNumber,StudentName,Score1,Score2,Score3,Score4,Score5,Score6,Score7,Score8,Score9,Score10

Within the scores that were entered, there are errors where I “fat fingered” the score, and a letter is now inside a number.  You will need to process this file into the format that you think would be best to complete the following objectives.

**Objectives**

Return the list of students in alphabetical order following this format:

Student name, Student number (Padded with 0’s to make it 10 digits long. e.g. 12345 would be 0000012345), Test average (Rounded to 2 decimal digits), Test max, Test min, Number of correct scores, Any scores thrown out due to incorrect data (with each invalid score separated by a space).

Consider the following example scenario:

**Original format**: 28935,Brad Bridges,39,77,81,55,9A,30,35,91,6B,93

**Result**: Brad Bridges,0000028935,62.63,93,35,8,9A 6B

**Keep in mind**

1. We will need to be able to view your source and the application. I have an application that generates test files, so what I use to test will be different than the list I have given you.  Your application must generate a correct result regardless of the data supplied, as long as that data follows the proper format.
2. I don’t care whether you input the data in a textbox and then process it or open it from a file (although the latter is probably easier); use whichever you feel more comfortable with.
3. If you use a language other than C# or VB, it will take us longer to be able to help you, should you hit a road block. We both have experience in most languages, but we are by no means fluent in all of them.
4. When copying and pasting the result set please use Notepad ++, since Notepad does not see all line breaks and there may be invisible characters that will cause you a headache.

**Raw Data**

13761,Glen Feemster,54,47,97,31,66,99,83,6J,46,4X

13743,Verdie Rodriguz,98,62,53,49,35,57,T9,31,93,30

18327,Karie Mccollom,45,38,43,82,96,59,65,74,35,41

12346,Michele Hileman,89,51,31,99,95,69,35,42,94,79

11535,Jenni Palos,77,45,42,70,75,70,63,48,42,39

28988,Khadijah Feuerstein,60,39,90,61,79,71,94,52,75,70

30221,Winford Delaney,30,68,38,77,40,88,72,96,80,35

26731,Kristine Sasaki,95,60,97,70,56,83,94,40,87,99

8296,Dann Alcantara,97,90,91,39,64,89,64,48,72,34

23677,Stacee Wilbanks,83,45,73,61,97,60,75,75,45,58

26686,Hassan Bergevin,74,44,59,63,39,45,40,57,64,83

30555,Eileen Maye,88,70,48,86,30,53,83,62,62,62

24923,Valene Speece,46,76,82,96,94,86,64,65,41,83

25488,Asha Vibbert,41,46,76,79,30,79,48,38,45,69

30424,Buddy Kampen,88,57,32,43,41,59,51,92,83,96

12948,Milford Salone,92,98,83,81,42,50,54,92,98,72

8292,Kiera Kai,34,59,32,39,51,53,33,43,54,47

8323,Yon Covey,51,88,54,94,80,74,34,44,48,99

26916,Tawny Tocci,88,53,78,96,48,67,98,84,52,71

12648,Veola Branch,76,52,73,41,31,38,97,88,70,72

5606,Lesa Channel,80,76,94,57,48,69,79,87,83,53

8468,Stacia Hubble,48,70,78,60,54,35,66,45,69,95

20440,Roseline Gildea,99,42,32,51,69,73,96,47,60,59

9123,Cherilyn Justice,82,73,32,32,91,48,58,35,64,87

32034,Gerri Niswander,63,34,32,62,70,83,92,52,55,32

7669,Val Dickerman,39,77,81,55,97,30,35,91,66,93

25495,Syreeta Kossman,34,88,35,58,52,43,47,86,64,60

25768,Tamisha Fernando,30,79,97,48,37,32,42,55,37,34

7995,Angelo Cavins,72,63,54,50,66,51,58,99,73,51

5431,Ashlie Benson,80,99,44,56,41,61,78,34,68,67

24202,Jama Stockdale,55,77,32,57,78,93,32,78,40,85

23744,Shakia Dunkerson,92,45,71,33,31,77,95,58,65,87

16965,Tempie Mcneely,95,98,97,34,80,90,81,76,32,66

21430,Rosemary Mathewson,92,38,77,48,38,73,64,96,94,40

11298,Rosie Guerra,31,36,98,85,38,59,30,38,39,32

29530,Mariann Bruggeman,92,82,33,59,73,43,42,96,63,82

8666,Stephenie Lepley,49,53,63,56,83,68,52,94,69,92

12693,Earleen Decelles,75,97,91,36,95,82,52,76,94,56

20454,Kristen Hanson,99,45,95,44,79,30,51,84,97,76

18409,Svetlana Lauritzen,88,87,74,51,81,75,61,86,45,63

3332,Despina Gendron,70,36,36,68,66,47,59,74,87,88

26694,Susann Bitton,78,54,48,60,69,89,51,72,84,94

22571,Lieselotte Mclemore,39,38,33,62,73,30,77,44,37,41

6592,Porter French,99,75,88,37,41,64,33,54,53,88

23066,Lonnie Vasser,32,39,49,32,50,35,72,65,72,78

5427,Rachael Conyer,93,96,97,64,33,74,58,97,72,81

21753,Clarence Brodsky,70,55,73,72,62,78,86,68,60,71

27232,Leif Dorgan,62,36,94,42,70,79,71,72,71,69

15709,Arlean Scheck,93,81,92,39,76,60,59,96,55,45

30776,Wayne Corker,58,68,94,59,78,73,94,78,34,47