**CSCI 3037 OLA# File and Streams, Generic Collection**

**Due: March 28 (Wedneday) midnight**

**Objective**: **Read from a Text file** and C# List<T> generic collection

**Problem**: Read a text file and build a list of student’s data. You should sort the list **(without Linq)** by GPA in descending order.

Input text file: csvDBData.txt (sample file format below – it has header on the first line)

Firstname,Lastname,Class,Earned Hours,GPA,Course,CourseNumber,FinalGrade,TotalCSCICreditHrs,CSCI GPA

Gomez,Christine,SR,124,3.0673,CSCI1170,1170,B,36,2.8144

Gomez,Christine,SR,124,3.0673,CSCI2170,2170,B+,36,2.8144

Gomez,Christine,SR,124,3.0673,CSCI3038,3038,A,36,2.8144

Gomez,Christine,SR,124,3.0673,CSCI3080,3080,B,36,2.8144

Gomez,Christine,SR,124,3.0673,CSCI3110,3110,A,36,2.8144

Terry,Abel,SO,49,3.4488,MATH1730,1730,B,,

Barrett,Philip,JR,87,1.6664,CSCI1000,1000,B+,8,2:

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**Note:**

Read text file and process data line by line. Use **try-catch** for file processing.

Parse (split) line for each data field. Use **try-catch** for parsing and converting.

Add each line to the List of objects.

Sort the list by GPA in descending order. **No LINQ statement** is allowed.

**Print the top ten in the list. It may show same name multiple times, but the lines are exactly same.**