Clearly PRINT your full name:_____

CS 2316 – Spring 2016   **THIS SIDE UP!**   QUIZ 4 File / String Operations

1. Assume you have a variable defined as follows:

```
theData = [ [ "Summet,Jay", "Montana, Joe"], [ 0,  273], [ 0, 139], [0, 40551], [0, 92.3] ]
```

Write Python code that will save this data in CSV format (one inner list per row) to a file called stats.csv:

2. Write a function named **compareStrings** that will take in two strings as parameters. **The two strings will be the same length**. Go through the two strings one character at a time. Return the count of the number of times the corresponding characters of the two strings are the same. NOTE: The character must match exactly, including case.

So, if the two strings were:
          "abcdefghijk" and
          "..c....h..." your function would return 2.
If the two strings were   **"ABC"** and
                    "CBA" you would return 1.

3. Write a function in Python called **numberList** that will accept a list of strings as an argument. The list will consist of a name followed by 1 or more numbers (integers or floats) stored as strings. For example: ["Joe Montana", "273", "139", "40551", "92.3"]

Your function should return a new list that consists of the name (as a string) and the numbers (as floating point values. Note that the exact number of number strings in the input list is unspecified, but you may assume there will be at least one number after the name. For example, with the input above, your function should return: ["Joe Montana", 273.0, 139.0, 40551.0, 92.3]