

Unit Seven Test Project:

It has been stated that objects and ArrayLists make parallel arrays obsolete.

Create a class and then an ArrayList that will prove the statement above is true. Use the data below, but obviously you will not use these parallel arrays.

```
num[0] = 3    year[0] = 10    pos[0] = "C"    ppg[0] = 11.8
num[1] = 11   year[1] = 11    pos[1] = "F"    ppg[1] = 6.7
num[2] = 23   year[2] = 12    pos[2] = "G"    ppg[2] = 32.3
num[3] = 32   year[3] = 11    pos[3] = "G"    ppg[3] = 8.9
num[4] = 35   year[4] = 12    pos[4] = "F"    ppg[4] = 16.1
```

The data listed above can be found in the text file u7test.txt.

Your driver class should read the data out of the text file and fill an ArrayList with it. It should then print this list to a JTextArea, which is placed in a Container and then attached to a JFrame. Next, the driver class should sort the ArrayList in descending order according to ppg (points per game). Lastly, it should print the sorted ArrayList to the JTextArea. Your output should look identical to the output attached to this assignment.

Your driver class should have the following methods...

```
- public static void main(String args[])
- public u7test()      // the default constructor
- public void PrintList()
- public void Sort()  // use any sort algorithm you want
```

Your class, which I called BBPlayer, should have a parametric constructor, which accepts an entire line of text as a String. It must then parse this String so that all private instance variables can be filled. This class must also have accessor methods for each of the private instance variables.

Paste your JFrame into a Word document and turn it in with your code.