Comparable Basketball Players

Purpose

To review interfaces and basic ArrayList usage.

Directions:

Your task is to write a class called BasketballPlayer. Your class should have the following fields and methods:

private String firstName

private String lastName

private double ppg (points per game)

public BasketballPlayer – constructor that initializes the fields of this object

public String toString – returns a String of the form lastName, firstName (ppg)

Your BasketballPlayer class also needs to implement the Comparable interface so that basketball players can be compared to one another. Players should be sorted first by points per game (higher comes first), then lexicographically by last name (ignoring case) and finally lexicographically by first name.

You also need to create a class called Driver.java with a main method. In main:

Create three BasketballPlayer objects

Put the player objects into an ArrayList

Print out the ArrayList

Sort the ArrayList

Print out the ArrayList a second time

Example output:

```
[Smith, Jay (12.7), Smith, DeShaun (12.7), Taylor, DeShaun (18.1)]
[Taylor, DeShaun (18.1), Smith, DeShaun (12.7), Smith, Jay (12.7)]
```