Big Project 1

Due July 29th

Objectives of this Project

1. Begin to think about programming on your own.
2. Break problems into steps.
3. Solving a problem creatively.

Description

This project is based around data. You will need to use the following in your program:
- Arrays
- Methods
- Searching and Sorting Algorithms

We are taking the baseball lab one step further. We are going to analyze data from sports teams. I'm leaving it open-ended; however, you must follow the requirements below:

1. You must use one of the following sports, and they must have stats published to the Internet:
- Football
- Baseball
- Soccer
- Basketball
- Hockey

2. You must use methods to calculate each of the stats. You can calculate batting average, max score from the season, min score from the season, interceptions, goals, fouls, etc… You must use at least 3 methods and calculate at least 3 statistics.

3. You must compare at least 3 different teams' stats.

4. Once you have compared 3 different teams' stats, you must make a determination on the best team.

5. You should break up your program into at least two methods, and you should store all data in arrays.

6. Print out the statistics, comparisons, and determinations for the user to see.

7. Make sure that you comment your code accordingly. You will be building upon this code starting next week. This first iteration of the project is due on July 29th.