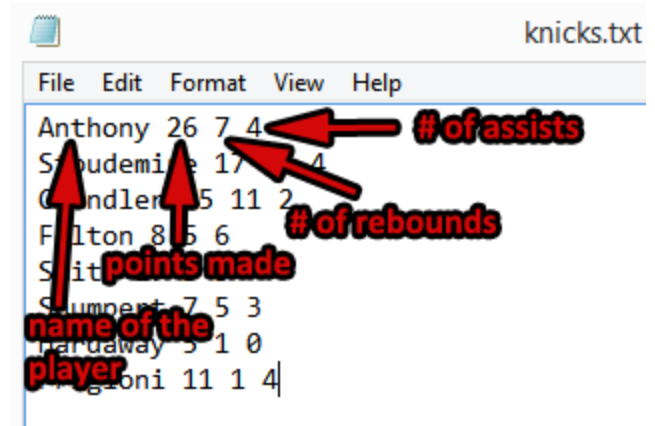# Knicks Stats App v2.1

Our Knicks is not doing well. It is our responsibility to help our team. Your job is to write a program that would allow NY Knicks team coaches to load statistics of a particular game from a file and extract some useful information.

The statistics are loaded from a text file (available on blackboard). Each row in the text file represent a player and his performance statistics at that particular game. See the format of the file on the right.


```
Knicks Stats App Main Menu
===========================
1- Most Scorer Player
2- Double-Double
3- Triple-Double
4- Report
0- Exit
Your choice? 1

Most scorer player is Anthony!

Knicks Stats App Main Menu
===========================
1- Most Scorer Player
2- Double-Double
3- Triple-Double
4- Report
0- Exit
Your choice? 2

Anthony achieved double double.
Stoudemire achieved double double.
Chandler achieved double double.

Knicks Stats App Main Menu
===========================
1- Most Scorer Player
2- Double-Double
3- Triple-Double
4- Report
0- Exit
Your choice? 3

Chandler achieved triple double.

Knicks Stats App Main Menu
===========================
1- Most Scorer Player
2- Double-Double
3- Triple-Double
4- Report
0- Exit
Your choice? 4

Anthony: PTS: 26 AST: 4 REB: 11
Stoudemire: PTS: 17 AST: 6 REB: 12
Chandler: PTS: 15 AST: 12 REB: 11
Felton: PTS: 8 AST: 6 REB: 5
Smith: PTS: 17 AST: 3 REB: 3
Shumpert: PTS: 7 AST: 3 REB: 5
Hardaway: PTS: 5 AST: 0 REB: 1
Prigioni: PTS: 11 AST: 4 REB: 1

Knicks Stats App Main Menu
===========================
1- Most Scorer Player
2- Double-Double
3- Triple-Double
4- Report
0- Exit
Your choice? 0

Press any key to continue . . . _
```

Here are the features of the program:

[40] **#1- Most Scorer Player:** This feature will loop through the players and display the player who has the most points.

[40] **#2- Double-Double:** There are 3 data per player: Points made, number of rebounds taken and number of assists made. If any two of these numbers are greater than 9, the player is said to have achieved double-double. Program should report the name of all players who achieved double double.

[40] **#3- Triple-Double:** For a player, if both the points, rebounds and assists are greater than 9, then the player is said to have achieved triple-double. Program should report the name of all players who achieved triple-double.

[40] **#4- Report:** Report all players and their stats.

A sample run for the program is provided on the left.

Here are the requirements:

- [40] **File I/O:** Make sure to properly read the data from knicks.txt at the very beginning of the program.
- [40] **Class:** Make sure to use a class (preferably named Player) with 4 fields: Name, Points, Rebounds, Assists.
- [30] **Function:** Make sure that each feature is in its own function. Loading the data should also have its own function.
- [30] **Indentation and Comments:** Make sure that your program is indented and commented properly.

Penalties:

[-100] if you are using global variables
[-100] if your program does not compile or crashes