

## Hoops Time!

Attached to this assignment you will find two files:

- **games.txt**: A list of twenty games played by the Miami Heat.
- **teams.txt**: A list of the opposing teams the Heat played in the twenty games listed in **games.txt**.

Write a program that:



- A)**
- i. Reads and stores the contents of each text file in its own **two-dimensional array**.
    - a. The **games.txt** file contents should be saved into an array called **gamesArray[][]**.
    - b. The **teams.txt** file contents should be saved into an array called **teamsArray[][]**.
  - ii. **Use the information stored in each array** to construct and output to the screen a **Games Table** that consists of:
    - a. A **title** for the table: "MIAMI HEAT SEASON"
    - b. A **header** (bounded by separator lines) that identifies each table column.
    - c. The ordinal **game number** for each game played.
    - d. The **Miami Heat score**.
    - e. The **opposing team score**.
    - f. A '**W**' or an '**L**' designating the game as a win or a loss for the Heat.
    - g. The **opposing team name**.
    - h. A **footer** below a separator line that contains the **number of wins, losses**, and the Heat's **win percentage** for the listed games.
- Call your program **GamesTable\_XX.java**, where **XX** is your initials.
  - **Pay attention to output formatting!**

**Expected Games Table Output:**

MIAMI HEAT SEASON					
GAME	HEAT SCORE	OPP SCORE	W/L	OPPONENT	
1	103	102	W	Detroit Pistons	
2	111	119	L	Boston Celtics	
3	90	106	L	Minnesota Timberwolves	
4	114	122	L	Milwaukee Bucks	
5	109	105	W	Brooklyn Nets	
6	121	114	W	Washington Wizards	
7	108	107	W	Los Angeles Lakers	
8	108	102	W	Memphis Grizzlies	
9	117	109	W	Atlanta Hawks	
10	118	113	W	San Antonio Spurs	
11	111	105	W	Charlotte Hornets	
12	122	115	W	Brooklyn Nets	
13	97	102	L	Chicago Bulls	
14	118	100	W	Chicago Bulls	
15	129	96	W	Cleveland Cavaliers	
16	98	100	L	New York Knicks	
17	97	112	L	Brooklyn Nets	
18	131	124	W	Milwaukee Bucks	
19	142	132	W	Indiana Pacers	
20	112	103	W	Toronto Raptors	
With 14 wins and 6 losses, the Miami Heat win percentage is 70.00%					

**B)** Add the following two lines to the **games.txt** file :

- 21 100 111
- 22 77 102

Add the following two lines to the **teams.txt** file:

- Team A
- Team B

Update your **GamesTable\_XX.java** code to account for these changes and rerun your program. The new data should appear in your output.