

Cricket Score Board using C (2023)

PROBLEM STATEMENT:

CRICKET SCORE BOARD :In this hackathon challenge, participants are tasked with designing and implementing an efficient and feature-rich cricket scoreboard system. The goal is to create a digital scoreboard that can accurately and dynamically display the score, statistics, and other information for a live cricket match, enhancing the experience for players and spectators.

BRIEF ABOUT PROJECT:

We have used two data structures, linked list and structures.

Player and Scoreboard Structures and functions:

- 'struct player' represents a player with a name, runs and a pointer to the next player.
- 'Struct Scoreboard' represents the overall scoreboard with a linked list of players and total runs, total wicket and overs.

first_inning and second_inning Functions:

- These functions simulate the first and second innings, respectively. The user is prompted to input the score for each ball, and the scorecard is displayed after each ball.
- Menu-Driven Interface in main2: Allows the user to add players, update scores, and display the scoreboard interactively.
- Overall Game Flow: The game follows the standard rules of cricket, with two innings, runs, wickets, and overs being tracked. The program terminates when the user chooses to exit.

OUTPUT:

```
Enter player name: Virat
Enter runs scored: 50
```

```
1. Add Player
2. Update Score
3. Display Score Board
4. Exit
Enter your choice: 3
```

```
----- Score Board -----
Total Runs: 84
Total Wickets: 0
Overs: 0.0
```

Players	Runs
Rohit	34
Virat	50
Virat	0
Rohit	0
Rohit	0
Virat	0

```
-----
1. Add Player
2. Update Score
3. Display Score Board
4. Exit
```

```
Last ball...
[1]Normal delivery
[2]No ball/wide
1
```

```
Runs on last ball
[0]Dot ball
[1]1 run
[2]2 runs
[3]3 runs
[4]4
[5]6
[6]Wicket!
1
```

```
/n:-----First Innings-----
Inning 1|
SCORE---ind|3-0|                |overs:- 0.3|
RR:-3.00|
```