



United International University (UIU)
Dept. of Computer Science and Engineering (CSE)
CSE 1112, Structured Programming Language Lab
Bangladesh Cricket Team
Project Assignment

**Any student found adopting unfair means will be expelled from the
trimester/program as per UIU disciplinary rules.**

1. You have to write a program to take input from an [input](#) file. The input file name will be taken from the console at first. For example, here it is “input.txt”. An example of the contents of an input file is given at the end.
2. Then you have to take input from the file and store the information in an array of structures about the **Bangladesh Cricket Team**.
3. Then you have to show an infinite loop to show a prompt like below and you have to take a choice input from the console to show the result corresponding to the option.

1. Show All Players
2. Show A Particular player information (Provide Player Name)
3. Show the MOST Experienced Player (MEP)
4. Show the New Commer Player (NCP)
5. Show the Top Scorer Player (TSP)
6. Show the Hard Hitter Player (HHP)
7. Show the Highest Run Taker Player (H RTP)
8. Show the MOST Valuable Player (MVP)
9. Show the Allrounders
10. Exit/Quit

4. Most Experienced Player (MEP): The player who played most matches among others.
5. New Commer Player (NCP): The player whose age is lower than all other players.
6. Top Scorer Player (TSP): The player whose total runs is highest among all.
7. Hard Hitter Player (HHP): The player whose average run per match is highest among all players.
8. Highest Run Taker Player (HRTP): The player whose highest run in a match is higher than all other players.
9. MOST Valuable Player (MVP) : The player whose value is higher than all other players. The value of a player is calculated according to the following formula.

$$\begin{aligned}
 \text{Value} = & \text{age} + \text{match} + \text{totalRuns} + \text{highestRun} \\
 & + (\text{totalRuns} / \text{match}) + (\text{highestRun} / \text{age}) \\
 & + \text{All R ounder ? 50 : 0}
 \end{aligned}$$

6

Mehidy Hasan Miraz

25

Allrounder

70

775

100

Mohammad Mushfiqur Rahim

35

Wicketkeeper Batter

243

6945

144

Mohammad Mahmudullah

37

Allrounder

218

4950

128

Mustafizur Rahman

27

Bowler

86

3531

142

Shakib Al Hasan

35

Allrounder

228

7069

134

Tamim Iqbal Khan

33

Opening Batter

235

8146

158

//Full Name

//Age

//Player Role

//ODI Match

//Total Runs

//Highest Run