Player Details

Write a program to read and display the player details to the user.

Display the following details.
Cricket Player:
1. Player Name
2. Team Name
3. No of matches
4. Total Runs Scored
5. No of wickets taken

Hockey Player:
1. Player Name
2. Team Name
3. No of matches
4. Position
5. No of goals taken

1. Create an interface IPlayerStatistics
   - Add a method with the following
     prototype public void
     displayPlayerStatistics()

2. Create a base abstract class Player
   - include protected data members: name, teamName, noOfMatches
   - include 3-argument constructor with following arguments: name, teamName, noOfMatches.

3. Create CricketPlayer that extends Player class and implements IPlayerStatistics
   - include private data members: totalRunsScored, noOfWicketsTaken
   - include 5-argument constructor, with the following
   - arguments: name, teamName, noOfMatches, totalRunsScored,noOfWicketsTaken.
   - Call the super class constructor to initialize name, teamName, noOfMatches.
   - implement the interface method public void displayPlayerStatistics() to display the player details.

4. Create HockeyPlayer that extends Player class and implements IPlayerStatistics
   - include private data members: position, noOfGoals
   - include 5-argument constructor, with the following arguments: name, teamName, noOfMatches, position, noOfGoals.
   - Call the super class constructor to initialize name, teamName,noOfMatches.

- implement the interface method public void displayPlayerStatistics() to display the player details.

5. Create a Main class with main method to test above classes.
   - Based on input from user either create instance of the CricketPlayer or HockeyPlayer class and assign to the reference of IPlayerStatistics.
   - Call displayPlayerStatistics() method to display the details of the player.

Note: Code submission not required. To be implemented using eclipse IDE and manually verified by the SME.

[All text in bold corresponds to input and the rest corresponds to output.]
Sample Input and Output 1:

Menu
1. Cricket Player Details
2. Hockey Player

Details Enter choice
1
Enter player name
Ravichandran
Ashwin
Enter team name
Chennai Super
Kings
Enter number of matches played
86
Enter total runs scored
185
Enter total number of wickets taken
89
Player Details
Player name : Ravichandran
Ashwin Team name : Chennai
Super Kings No of matches :
86
Total runsscored :
185 No of wickets
taken : 89

[All text in bold corresponds to input and the rest corresponds to output.]
Sample Input and Output 2:
1. Cricket Player Details
2. Hockey Player

Details Enter choice
2
Enter player
name **Yuvraj**

Walmiki Enter
team name
Delhi
WaveRiders
Enter number of matches played
34
Enter the position
Forward
Enter total number of goals taken
9
Player Details

Player name : Yuvraj

Walmiki Team name : Delhi

WaveRiders No of matches :

34

Position :

Forward No of

goals taken : 9