**List 8**

Cricket is a sport that generates a large number of statistics. Statistics are recorded for each player during a match, and aggregated over a career. At the professional level, statistics for Test cricket, one-day internationals, and Twenty20 limited over matches are recorded separately.  
  
Sunil now aims to record the statistics of a player to be displayed during the IPL matches as a list. Since he is a beginner in the task, he may not be precise. He gets the details of a player like Name, Age, Country firstly from the user. Later he realized he has missed the statistics of the player's Skill and also the position of that detail in the list. He gets these two inputs thereafter and now wants to remove a specific detail from the list. Help him with the usage of the set() and remove() methods to facilitate his task and display the desired output.  
  
**Input Format:**  
First line of the input is a string that corresponds to the Name of the player.  
Second line of the input is an integer that corresponds to the Age of the player.  
Third line of the input is a string that corresponds to the Country where the player belongs.  
(Next three lines should print these 3 details of the player).  
Fourth line of the input contains a string that corresponds to the Skill of the player. It might be one of these options – Batsman/Bowler/All-rounder/Wicket Keeper  
  
Fith line of the input is an integer that corresponds to the position in the list where the player detail 'Skill' has to be inserted.  
(Next four lines should print the 4 details name, age, country and skill of the player).  
Sixth line of the input is an integer that corresponds to the position of detail that is to be removed in the list.  
(Next three lines should print the remaining 3 details of the player excluding the removed detail).  
  
**Output Format:**  
Output should display the first 3 details name, age and country of the player, line after line.  
After adding the 4th detail skill of the player, output should display the 4 details name, age and country and skill of the player, line after line.  
After removing any desired detail of the player from the list, should print the remaining 3 details of the player excluding the removed detail.  
**[All text in bold corresponds to input.]  
  
Sample Input and Output :**  
Enter the player details  
Enter player name  
**Dhoni**  
Enter age  
**35**  
Enter Country  
**India**  
Player Details  
Dhoni  
35  
India  
Enter Skill  
**All Rounder**  
Enter the position to add the skill  
**2**  
Player Details  
Dhoni  
35  
All Rounder  
Enter the position of the detail to be removed  
**1**  
Player Details  
Dhoni  
All Rounder

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| [Project](https://cognizant.e-box.co.in/projectComponent/showSubDetails/3103239" \l "conprojectFilesPane)  **Observations**  1  **Main.java**  [view source](https://cognizant.e-box.co.in/projectComponent/showSubDetails/3103239#viewSource)[print](https://cognizant.e-box.co.in/projectComponent/showSubDetails/3103239#printSource)[?](https://cognizant.e-box.co.in/projectComponent/showSubDetails/3103239#about)   |  |  |  | | --- | --- | --- | | 01 | import java.util.ArrayList; | | | 02 | import java.util.List; |  |  |  |  | | --- | --- | --- | | 03 | import java.util.ListIterator; | | | 04 | import java.util.Scanner; |  |  |  | | --- | --- | | 05 |  | | 06 | public class Main { | |  |  |  | | --- | --- | | 07 |  | | 08 | public static void main(String[] args) { | |  |  |  | | --- | --- | | 09 | // TODO Auto-generated method stub | | 10 | Scanner sc = new Scanner(System.in); | |  |  |  | | --- | --- | | 11 | List l = new ArrayList(); | | 12 | System.out.println("Enter the player details\nEnter player name"); | |  |  |  | | --- | --- | | 13 | l.add(sc.nextLine()); | | 14 | System.out.println("Enter age"); | |  |  |  | | --- | --- | | 15 | l.add(sc.nextLine()); | | 16 | System.out.println("Enter Country"); | |  |  |  | | --- | --- | | 17 | l.add(sc.nextLine()); | | 18 | System.out.println("Player Details"); | |  |  |  |  | | --- | --- | --- | | 19 | ListIterator li = l.listIterator(); | | | 20 | while(li.hasNext()) |  |  |  | | --- | --- | | 21 | System.out.println(li.next()); | | 22 | System.out.println("Enter Skill"); |  |  |  | | --- | --- | | 23 | String skill = sc.nextLine(); | | 24 | System.out.println("Enter the position to add the skill"); | |  |  |  |  | | --- | --- | --- | | 25 | int a = Integer.parseInt(sc.nextLine()); | | | 26 | l.set(a, skill); |  |  |  |  | | --- | --- | --- | | 27 | System.out.println("Player Details"); | | | 28 | ListIterator lii = l.listIterator(); |  |  |  | | --- | --- | | 29 | while(lii.hasNext()) | | 30 | System.out.println(lii.next()); | |  |  |  |  | | --- | --- | --- | | 31 | System.out.println("Enter the position of the detail to be removed"); | | | 32 | int b = Integer.parseInt(sc.nextLine()); |  |  |  | | --- | --- | | 33 | l.remove(b); | | 34 | System.out.println("Player Details"); | |  |  |  |  | | --- | --- | --- | | 35 | ListIterator liii = l.listIterator(); | | | 36 | while(liii.hasNext()) |  |  |  |  | | --- | --- | --- | | 37 | System.out.println(liii.next()); | | | 38 | sc.close(); |  |  |  |  | | --- | --- | --- | | 39 | } | | | 40 |  |  |  |  | | --- | --- | | 41 | } | |