List Activity

1. **List**

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.   
To get the details of a player like Name, Age, Country firstly from the user. Then missed the statistics of the player's Skill and also the position of that detail in the list. To gets these two inputs thereafter and now, to remove a specific detail from the list. To help 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   
  
Fifth 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

1. **List**

With a news of the brand new season of IPL 13 announced, it promises to be yet another cricketing extravaganza. Defending champions of the title for IPL 13 are team Sunrisers Hyderabad. The same 8 teams of season 12 are going to compete and we may be in for a humdinger of a season which sees a tough fight for the top 4 spots.

There is a list which contains the team rankings of the top 5 teams of IPL season 13. It is predicted by statistcians that these same 5 teams would sure retain in top 5 positions of IPL 13 as well but in different positions. Write a program that prints the prediction of rankings of those 5 teams that is obtained by swapping two given positions by the user. Use swap method.

**Input Format:**

First 5 lines of the input contains the names of top 5 teams of IPL season 13.

Sixth line of the input contains an integer that corresponds to the first swap position.

Seventh line of the input contains an integer that corresponds to the second swap position.  
  
  
**Sample Input and Output :**  
  
**Sunrisers Hyderabad  
Delhi Capitals  
Royal Challengers Bangalore  
Kolkata Knight Riders  
Mumbai Indians**  
Enter swap positons  
 **2**  
Royal Challengers Bangalore  
Delhi Capitals  
Sunrisers Hyderabad  
Kolkata Knight Riders  
Mumbai Indians

1. **List**

Cricket followers often believe that an essential characteristic of excellence is Consistency or low variability of performance. IPL has seen numerous such consistent batsmen who set the stage alight with their mastery.

There are two lists which contains the names of players who were the top 5 scorers of two seasons 12 and 13 of IPL respectively. Write a program to find those players who have shown a consistent play in both the seasons. Precisely find the players who are on the list of top scorers in both the IPL seasons. Use retailAll method.

**Input Format:**

First 5 lines of the input contains the names of players who were the top scorers of IPL season 13.

Second 5 lines of the input contains the names of players who were the top scorers of IPL season 12.

**Output Format:**

Output should print the names of common players in both seasons line after line.

**Sample Input and output:**

Enter the top 5 scorers of IPL Season 13

**KL Rahul**

**Shikhar Dhawan**

**David Warner**

**Shreyas Iyer**

**Ishan Kishan**

Enter the top 5 scorers of IPL Season 12

**David Warner**

**KL Rahul**

**Quinton De Kock**

**Shikhar Dhawan**

**Andre Russel**

Consistent run scorers

David Warner

KL Rahul

Shikhar Dhawan

1. **Count of 50s and 100s**   
   Chris Gayle, at his best, is devastating and is all about power and brute force. He is the first player to have scored a century in international Twenty20 cricket; the only man to score more than 15 centuries in the Twenty20 format; and is the leading six-hitter in Twenty20s.   
     
   Assume Gayle had played “n” matches in his Twenty20 career. Given a list with “n” elements containing the scores of Gayle in the “n” matches he had played. Write a program to find the number of 50's and 100's that Gayle had scored in all “n” matches.   
     
   **Input Format:**   
   First line of the input is an integer “n” that corresponds to the number of matches Gayle had played.   
   Next “n” lines contains an integer which corresponds to the score of Gayle in each of the matches.   
     
   **Output Format:**   
   Output should display an integer in the first line that gives the number of 50's Gayle has scored.   
   In the second line print the integer that corresponds to the number of 100's Gayle has scored.   
     
   **Sample Input**   
   6   
   58   
   100   
   49   
   50   
   110   
   60   
   **Sample Output**   
   3   
   2