

1. Multiple Inheritance

Create two interfaces: **HockeyTeam** and **FootballTeam**, and one class: **Sport**. The **Sport** class should implement both the interfaces **HockeyTeam** and **FootballTeam** (**Multiple Inheritance**).

The **HockeyTeam** interface must contain the following methods:

- *public int calculateHockeyScore();*
- *public int findHighestGoalByIndividualInHockey();*

The **FootballTeam** must contain the following methods:

- *public int calculateFootballScore();*
- *public int findHighestGoalByIndividualInFootball();*

Class **Sport** must contain the variables *int[] hockeyPlayers, int[] footballPlayers*.

- *Sport(int[] paramHockeyPlayers, int[] paramFootballPlayers)*: Constructor takes two arrays as parameters and initializes the empty array **hockeyPlayers** to store the first 11 integer values, and the empty array **footballPlayers** to store the last 11 integer values. Assign each value to each element in **hockeyPlayers** and **footballPlayers**.
- *public int calculateHockeyScore()*: Calculate the overall score by adding the scores of all individual **hockeyPlayers** in the hockey team, and return the overall score as an **integer**.
- *public int calculateFootballScore()*: Calculate the overall score by adding the scores of all individual **footballPlayers** in the football team, and return the overall score as an **integer**.
- *public int findHighestGoalByIndividualInHockey()*: Find the highest goal scorer in the hockey team, and return the number of goals scored as an **integer**.
- *public int findHighestGoalByIndividualInFootball()*: Find the highest goal scorer in the football team, and return the number of goals scored as an **integer**.

The locked code stub validates the implementation of the **Sport** class, and the **HockeyTeam** and **FootballTeam** interfaces.

Input format for Custom Testing:

- The first line contains 11 space-separated integers (goals of players in the hockey team).
- The last line contains 11 space-separated integers (goals of players in the football team).

Sample Input:

```
2 0 0 0 1 1 0 0 0 1 0
2 1 0 3 0 0 0 0 0 0 0
```

Sample Output:

```
5
6
2
3
```

Output Specification:

- The first line contains the overall score of the hockey team.
- The second line contains the overall score of the football team.
- The third line contains the goals scored by the highest goal scorer in the hockey team.
- The last line contains the goals scored by the highest goal scorer in the football team.