**Problem Statement**

# Inheritance and Polymorphism

Implement the following class hierarchy in C++. Write a driver to test the hierarchy by displaying data of your favorite players.



**Sportsman** firstName, lastName matchesPlayed

computeAve()

**Footballer** Team/Club Goals

Position

**Cricketer**

Team Runs

**Bowler**

Type Wickets

**Batsman**

Centuries

**Allrounder**



## Requirements:

* Program should be **well designed** using object oriented concepts learned so far.
* computeAverage() function is used to calculate the average goals/score of the players.
* Data should be displayed by overloading << and >> operators.
* You are allowed to add appropriate data members and functions in the classes as required.
* Use a text file to read data of your favorite 10-15 players.