Practical 7

```java
package practical6;
import java.util.*;

// base class
class Player {
    String name;
    int age;
    String team;

    Player(String name, int age, String team) {
        this.name = name;
        this.age = age;
        this.team = team;
    }

    void displayInfo() {
        System.out.println("Name: " + name);
        System.out.println("Age: " + age);
        System.out.println("Team: " + team);
    }
}

class Cricket_Player extends Player {
    String role;

    Cricket_Player(String name, int age, String team, String role) {
        super(name, age, team);
        this.role = role;
    }

    void displayInfo() {
        System.out.println("\n--- Cricket Player Details ---");
        super.displayInfo();
        System.out.println("Role: " + role);
    }
}

class Football_Player extends Player {
    String position;

    Football_Player(String name, int age, String team, String position) {
        super(name, age, team);
        this.position = position;
    }

    void displayInfo() {
        System.out.println("\n--- Football Player Details ---");
        super.displayInfo();
        System.out.println("Position: " + position);
    }
}
```

```java
class Hockey_Player extends Player {
    String stickBrand;

    Hockey_Player(String name, int age, String team, String stickBrand) {
        super(name, age, team);
        this.stickBrand = stickBrand;
    }

    void displayInfo() {
        System.out.println("\n--- Hockey Player Details ---");
        super.displayInfo();
        System.out.println("Stick Brand: " + stickBrand);
    }
}

public class Main {
    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);

        // for cricket details
        System.out.println("Enter Cricket Player details:");
        System.out.print("Name: ");
        String cName = sc.nextLine();
        System.out.print("Age: ");
        int cAge = sc.nextInt();
        sc.nextLine();
        System.out.print("Team: ");
        String cTeam = sc.nextLine();
        System.out.print("Role (Batsman/Bowler): ");
        String cRole = sc.nextLine();
        Cricket_Player c = new Cricket_Player(cName, cAge, cTeam, cRole);

        // for football details
        System.out.println("\nEnter Football Player details:");
        System.out.print("Name: ");
        String fName = sc.nextLine();
        System.out.print("Age: ");
        int fAge = sc.nextInt();
        sc.nextLine();
        System.out.print("Team: ");
        String fTeam = sc.nextLine();
        System.out.print("Position (Goalkeeper/Forward): ");
        String fPosition = sc.nextLine();
        Football_Player f = new Football_Player(fName, fAge, fTeam, fPosition);

        // for hockey details
        System.out.println("\nEnter Hockey Player details:");
        System.out.print("Name: ");
        String hName = sc.nextLine();
        System.out.print("Age: ");
        int hAge = sc.nextInt();
        sc.nextLine();
        System.out.print("Team: ");
        String hTeam = sc.nextLine();
        System.out.print("Stick Brand: ");
        String hStick = sc.nextLine();
        Hockey_Player h = new Hockey_Player(hName, hAge, hTeam, hStick);
```

```
            c.displayInfo();
            f.displayInfo();
            h.displayInfo();

            sc.close();
        }
}

Output :

Enter Cricket Player details:
Name: Rohit Sharma
Age: 35
Team: India
Role (Batsman/Bowler): Batsman

Enter Football Player details:
Name: Cristiano Ronaldo
Age: 39
Team: Portugal
Position (Goalkeeper/Forward): Forward

Enter Hockey Player details:
Name: Harmanpreet Singh
Age: 30
Team: India
Stick Brand: TK

--- Cricket Player Details ---
Name: Rohit Sharma
Age: 35
Team: India
Role: Batsman

--- Football Player Details ---
Name: Cristiano Ronaldo
Age: 39
Team: Portugal
Position: Forward

--- Hockey Player Details ---
Name: Harmanpreet Singh
Age: 30
Team: India
Stick Brand: TK
```