**Experiment No. 6 : Inheritance**

Name : Dnyanesh Agale

Class : TE E&TC (2025-26)

Subject : FJP

Roll No. : 1

class Player {

    String name;

    int age;

    String game;

    Player(String name, int age) {

        this.name = name;

        this.age = age;

    }

    Player(String name, int age, String game) {

        this.name = name;

        this.age = age;

        this.game = game;

    }

    public void displayPlayerDetails() {

        System.out.println("Name : " + name);

        System.out.println("Age : " + age);

        if (game != null) {

            System.out.println("Game : " + game);

        }

        System.out.println();

    }

}

class CricketPlayer extends Player {

    static String game = "Cricket";

    CricketPlayer(String name, int age) {

        super(name, age, game);

    }

}

class FootballPlayer extends Player {

    static String game = "Football";

    FootballPlayer(String name, int age) {

        super(name, age, game);

    }

}

class HockeyPlayer extends Player {

    static String game = "Hockey";

    HockeyPlayer(String name, int age) {

        super(name, age, game);

    }

}

public class Main {

    public static void main(String[] args) {

        System.out.println();

        Player p = new Player("Dnyanesh", 20);

        Player pC = new CricketPlayer("Suresh", 21);

        Player pF = new FootballPlayer("Aryan", 23);

        Player pH = new HockeyPlayer("Vineet", 21);

        p.displayPlayerDetails();

        pC.displayPlayerDetails();

        pF.displayPlayerDetails();

        pH.displayPlayerDetails();

    }

}

Output :

Name : Dnyanesh

Age : 20

Name : Suresh

Age : 21

Game : Cricket

Name : Aryan

Age : 23

Game : Football

Name : Vineet

Age : 21

Game : Hockey