```java
import java.util.Scanner;

class Player {
    String name;
    int matches_played;
    double average;

    void getData() {
        Scanner inp = new Scanner(System.in);
        System.out.print("Name of the player : ");
        name = inp.nextLine();
        System.out.print("Number of matches played : ");
        matches_played = inp.nextInt();
    }
}

class Batsman extends Player {
    int runs_scored[];
    int totalRuns = 0;
    Scanner inp = new Scanner(System.in);
    Batsman() {
        getData();
    }
    void getRuns() {
        System.out.println("Enter the total runs scored by batsman : ");
        runs_scored = new int[matches_played];
        for(int i=0;i<matches_played;i++) {
            System.out.print("In Match number " + (i+1) + ": ");
            runs_scored[i] = inp.nextInt();
            totalRuns = totalRuns + runs_scored[i];
        }
    }
    void cal_average() {
        average = (double)totalRuns/matches_played;
    }

    void printData() {
        System.out.println("Name : "+name);
```

```java
    void printData() {
        System.out.println("Name : "+name);
        System.out.println("Matches played : "+matches_played);
        System.out.println("Average : "+average);
    }

}

class Bowler extends Player {
    int runs_given[];
    int totalRuns = 0;
    Scanner inp = new Scanner(System.in);
    Bowler() {
        getData();
    }
    void getRuns() {
        System.out.println("Enter the total runs given by bowler : ");
        runs_given = new int[matches_played];
        for(int i=0;i<matches_played;i++) {
            System.out.print("In Match number " + (i+1) + ": ");
            runs_given[i] = inp.nextInt();
            totalRuns = totalRuns + runs_given[i];
        }
    }
    void cal_average() {
        average = (double)totalRuns/matches_played;
    }

    void printData() {
        System.out.println("Name : "+name);
        System.out.println("Matches played : "+matches_played);
        System.out.println("Average : "+average);
    }
}

class week7player {
    public static void main(String args[]) {
```
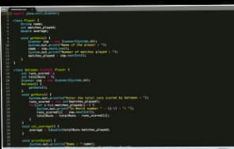
```java
class week7player {
    public static void main(String args[]) {
        Scanner inp = new Scanner(System.in);
        System.out.print("Enter the number of batsmen : ");
        int n = inp.nextInt();
        System.out.print("Enter the number of bowlers : ");
        int m = inp.nextInt();

        System.out.println("Enter Batsmen details : ");
        Batsman b[] = new Batsman[n];
        for(int i=0;i<n;i++) {
            System.out.println("Batsman "+ (i+1));
            b[i] = new Batsman();
            b[i].getRuns();
            b[i].cal_average();
        }

        System.out.println("Enter Bowlers details : ");
        Bowler bow[] = new Bowler[m];
        for(int i=0;i<m;i++) {
            System.out.println("Bowler "+ (i+1));
            bow[i] = new Bowler();
            bow[i].getRuns();
            bow[i].cal_average();
        }

        System.out.println("--------Batsmen Info--------");

        for(int i=0;i<n;i++){
            System.out.println("Batsman "+(i+1));
            b[i].printData();
        }

        System.out.println("--------Bowler Info--------");

        for(int i=0;i<m;i++){
            System.out.println("Bowler "+(i+1));
            bow[i].printData();
        }
```

```
Enter the number of batsmen : 3
Enter the number of bowlers : 2
Enter Batsmen details :
Batsman 1
Name of the player : Naresh K
Number of matches played : 3
Enter the total runs scored by batsman :
In Match number 1: 16
In Match number 2: 172
In Match number 3: 38
Batsman 2
Name of the player : Divyanshu J
Number of matches played : 2
Enter the total runs scored by batsman :
In Match number 1: 71
In Match number 2: 52
Batsman 3
Name of the player : Ganguly Saurav
Number of matches played : 4
Enter the total runs scored by batsman :
In Match number 1: 36
In Match number 2: 100
In Match number 3: 44
In Match number 4: 58
Enter Bowlers details :
Bowler 1
Name of the player : Jadeja
Number of matches played : 2
Enter the total runs given by bowler :
In Match number 1: 16
In Match number 2: 37
Bowler 2
Name of the player : Anil Kumble
Number of matches played : 1
Enter the total runs given by bowler :
In Match number 1: 44
--------Batsmen Info--------
Batsman 1
```

```
In Match number 2: 100
In Match number 3: 44
In Match number 4: 58
Enter Bowlers details :
Bowler 1
Name of the player : Jadeja
Number of matches played : 2
Enter the total runs given by bowler :
In Match number 1: 16
In Match number 2: 37
Bowler 2
Name of the player : Anil Kumble
Number of matches played : 1
Enter the total runs given by bowler :
In Match number 1: 44
--------Batsmen Info--------
Batsman 1
Name : Naresh K
Matches played : 3
Average : 75.33333333333333
Batsman 2
Name : Divyanshu J
Matches played : 2
Average : 61.5
Batsman 3
Name : Ganguly Saurav
Matches played : 4
Average : 59.5
--------Bowler Info--------
Bowler 1
Name : Jadeja
Matches played : 2
Average : 26.5
Bowler 2
Name : Anil Kumble
Matches played : 1
Average : 44.0
dhruvdubey@Dhruvs-MacBook-Air JavaLab % 
```