

github.com/ishika22love/oop-java/blob/master/week7_extra_programs/PlayerMain.java



```
1 import java.util.Scanner;
2
3 class PLAYER
4 {
5     String name;
6     int matches_played;
7     double average;
8
9     Scanner ss=new Scanner(System.in);
10
11     void getDetails()
12     {
13         System.out.println("Enter the Player details: ");
14         System.out.println("Name: ");
15         name=ss.next();
16         System.out.println("Matched Played: ");
17         matches_played=ss.nextInt();
18     }
19
20     double cal_average(String nam,int runs, int matches)
21     {
22         average=(runs)/matches;
23         System.out.println("The average runs of "+nam+" is: "+average);
24         return average;
25     }
26
27     void printdetails()
28     {
29         System.out.println("The Player Details are:");
30         System.out.println("Name: "+name);
31         System.out.println("Matches Played: "+matches_played);
32         System.out.println("Average: "+average);
33     }
34 }
35
```

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```
36 class BATSMAN extends PLAYER
37 {
38     int runs_scored;
39     double result;
40
41     void getruns()
42     {
43         getDetails();
44         System.out.println("Enter the runs Scored : ");
45         runs_scored=ss.nextInt();
46         result=cal_average(name, runs_scored, matches_played);
47     }
48 }
49
50 class BOWLER extends PLAYER
51 {
52     int runs_given;
53     double result;
54
55     void getruns()
56     {
57         getDetails();
58         System.out.println("Enter the runs given : ");
59         runs_given=ss.nextInt();
60         result=cal_average(name, runs_given, matches_played);
61     }
62 }
63
64 class PlayerMain
65 {
66     public static void main(String args[])
67     {
68         Scanner ss=new Scanner(System.in);
69
70         int n,m;
```

```
60     int n,m;
61     System.out.println("Enter the number of batsman and bowlers: ");
62     n=ss.nextInt();
63     m=ss.nextInt();
64     BATSMAN bt[]=new BATSMAN[n];
65     System.out.println("Enter the Details of the Batsmen: ");
66     for(int i=0;i<n;i++)
67     {
68         bt[i]=new BATSMAN();
69         bt[i].getruns();
70     }
71     System.out.println("Enter the Details of the Bowlers: ");
72     BOWLER bw[]=new BOWLER[m];
73     for(int i=0;i<m;i++)
74     {
75         bw[i]=new BOWLER();
76         bw[i].getruns();
77     }
78     System.out.println("\n\nThe Details of the Batsman are: \n");
79     for(int i=0;i<n;i++)
80         bt[i].printdetails();
81     System.out.println("\n\nThe Details of the Bowlers are: \n");
82     for(int i=0;i<m;i++)
83         bw[i].printdetails();
84 }
85 }
```