

```

1 import java.util.Scanner;
2
3 class Player {
4     String name;
5     int matches_played;
6     double average;
7
8     void getData() {
9         Scanner inp = new Scanner(System.in);
10        System.out.print("Name of the player : ");
11        name = inp.nextLine();
12        System.out.print("Number of matches played : ");
13        matches_played = inp.nextInt();
14    }
15 }
16
17 class Batsman extends Player {
18     int runs_scored[];
19     int totalRuns = 0;
20     Scanner inp = new Scanner(System.in);
21     Batsman() {
22         getData();
23     }
24     void getRuns() {
25         System.out.println("Enter the total runs scored by batsman : ");
26         runs_scored = new int[matches_played];
27         for(int i=0;i<matches_played;i++) {
28             System.out.print("In Match number " + (i+1) + ": ");
29             runs_scored[i] = inp.nextInt();
30             totalRuns = totalRuns + runs_scored[i];
31         }
32     }
33     void cal_average() {
34         average = (double)totalRuns/matches_played;
35     }
36
37     void printData() {
38         System.out.println("Name : "+name);
39         System.out.print("Total runs scored by batsman : ");
40         for(int i=0;i<runs_scored.length;i++) {
41             System.out.print(runs_scored[i] + " ");
42         }
43         System.out.println();
44     }
45 }

```

36

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

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```
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);  
    }  
}
```

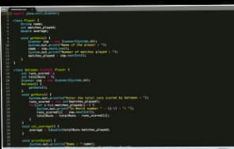
70

71

```
class week7player {  
    public static void main(String args[]) {
```

72

73



```
72 class week7player {
73     public static void main(String args[]) {
74         Scanner inp = new Scanner(System.in);
75         System.out.print("Enter the number of batsmen : ");
76         int n = inp.nextInt();
77         System.out.print("Enter the number of bowlers : ");
78         int m = inp.nextInt();
79
80         System.out.println("Enter Batsmen details : ");
81         Batsman b[] = new Batsman[n];
82         for(int i=0;i<n;i++) {
83             System.out.println("Batsman "+ (i+1));
84             b[i] = new Batsman();
85             b[i].getRuns();
86             b[i].cal_average();
87         }
88
89         System.out.println("Enter Bowlers details : ");
90         Bowler bow[] = new Bowler[m];
91         for(int i=0;i<m;i++) {
92             System.out.println("Bowler "+ (i+1));
93             bow[i] = new Bowler();
94             bow[i].getRuns();
95             bow[i].cal_average();
96         }
97
98         System.out.println("-----Batsmen Info-----");
99
100         for(int i=0;i<n;i++){
101             System.out.println("Batsman "+(i+1));
102             b[i].printData();
103         }
104
105         System.out.println("-----Bowler Info-----");
106
107         for(int i=0;i<m;i++){
108             System.out.println("Bowler "+(i+1));
109             bow[i].printData();
110         }
111     }
112 }
```

```
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
```

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