

```

1  import java.util.*;
2
3  abstract class PLAYER
4  {
5      String name;
6      int matches_played;
7      double average;
8      Scanner in = new Scanner(System.in);
9      abstract void cal_average();
10 }
11
12 class BATSMAN extends PLAYER
13 {
14     int runs_scored;
15     void batsInfo()
16     {
17         System.out.println("Enter the batsman name ");
18         name = in.nextLine();
19         System.out.println("Enter the n.o of matches played");
20         matches_played = in.nextInt();
21         System.out.println("Enter runs scored");
22         runs_scored = in.nextInt();
23     }
24
25     void cal_average()
26     {
27         average = (runs_scored/matches_played);
28         System.out.println("BATSMAN NAME "+name);
29         System.out.println("MATCHES PLAYED "+matches_played);
30         System.out.println("RUNS SCORED "+runs_scored);
31         System.out.println("AVERAGE RUNS SCORED "+average);

```



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31     System.out.println("AVERAGE RUNS SCORED "+average);
32 }
33 }
34
35 class BOWLER extends PLAYER
36 {
37     int runs_given;
38     void bowlInfo()
39     {
40         System.out.println("Enter the bowler name ");
41         name = in.nextLine();
42         System.out.println("Enter the n.o of matches played");
43         matches_played = in.nextInt();
44         System.out.println("Enter runs given");
45         runs_given = in.nextInt();
46     }
47     void cal_average()
48     {
49         average = (runs_given/matches_played);
50         System.out.println("BOWLER NAME "+name);
51         System.out.println("MATCHES PLAYED" +matches_played);
52         System.out.println("RUNS GIVEN "+runs_given);
53         System.out.println("AVERAGE RUNS GIVEN "+average);
54     }
55 }
56
57
58 class CRICKET
59 {
60     public static void main(String args[])
61     {

```

```

60 public static void main(String args[])
61 {
62     int m,n;
63     Scanner in = new Scanner(System.in);
64     System.out.println("Enter the n.o of batsman and bowler");
65     m = in.nextInt();
66     n = in.nextInt();
67     BATSMAN bat[] = new BATSMAN[m];
68     BOWLER ball[] = new BOWLER[n];
69     for(int i=0;i<n;i++)
70     {
71         bat[i] = new BATSMAN();
72         bat[i].batsInfo();
73     }
74     for(int i=0;i<n;i++)
75     {
76         ball[i] = new BOWLER();
77         ball[i].bowlInfo();
78     }
79     for(int i=0;i<n;i++)
80     {
81         bat[i].cal_average();
82         System.out.println("");
83     }
84     for(int i=0;i<n;i++)
85     {
86         ball[i].cal_average();
87         System.out.println("");
88     }
89 }
90 }

```



```
C:\Program Files\Java\JDK 8\bin>javac CRICKET.java
```

```
C:\Program Files\Java\JDK 8\bin>java CRICKET
```

```
Enter the n.o of batsman and bowler
```

```
2  
2
```

```
Enter the batsman name
```

```
joe
```

```
Enter the n.o of matches played
```

```
7
```

```
Enter runs scored
```

```
75
```

```
Enter the batsman name
```

```
ray
```

```
Enter the n.o of matches played
```

```
87
```

```
Enter runs scored
```

```
9876
```

```
Enter the bowler name
```

```
meg
```

```
Enter the n.o of matches played
```

```
8
```

```
Enter runs given
```

```
456
```

```
Enter the bowler name
```

```
ram
```

```
Enter the n.o of matches played
```

```
7
```

```
Enter runs given
```

```
5678
```

```
BATSMAN NAME joe
```

```
MATCHES PLAYED7
```

```
RUNS SCORED75
```

```
AVERAGE RUNS SCORED10.0
```

```
BATSMAN NAME ray
```

```
MATCHES PLAYED87
```

```
RUNS SCORED9876
```

```
AVERAGE RUNS SCORED113.0
```

```
BOWLER NAME meg
```

```
MATCHES PLAYED8
```

```
RUNS GIVEN456
```

```
AVERAGE RUNS GIVEN57.0
```

```
BOWLER NAME ram
```

```
MATCHES PLAYED7
```

```
RUNS GIVEN5678
```

```
AVERAGE RUNS GIVEN811.0
```