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Week6_3.java x Ip3_2.java x Inheri2_abstract.java x Week_7_Inheritance1.java x Ip4.java x Week6_7.java x Week6_6.java
1 package com.company;
2 import java.util.Scanner;
3 abstract class Player1{
4     String name;
5     int matches_played;
6     float average;
7     abstract void cal_average(String name,int runs,int matches);
8 }
9 class Batsman extends Player1{
10     int runs_scored;
11     Scanner s=new Scanner(System.in);
12     void accept_details(){
13         System.out.println("Enter the name of the player:");
14         name=s.nextLine();
15         System.out.println("Enter the number of matches played:");
16         matches_played=s.nextInt();
17         System.out.println("Enter the number of runs scored by the batsman:");
18         runs_scored=s.nextInt();
19     }
20     void cal_average(String name,int runs,int matches)
21     {
22         average=(float) runs/matches;
23         System.out.println("Average runs scored by the batsman "+name+" = "+average);
24     }
25 }
26 class Bowler extends Player1{
27     int runs_given;
```

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Week6_3.java x Ip3_2.java x Inheri2_abstract.java x Week_7_Inheritance1.java x Ip4.java x Week6_7.java x Week6_6.java
28 Scanner s=new Scanner(System.in);
29 void accept_details(){
30     System.out.println("Enter the name of the player:");
31     name=s.nextLine();
32     System.out.println("Enter the number of matches played:");
33     matches_played=s.nextInt();
34     System.out.println("Enter the number of runs given by the bowler:");
35     runs_given=s.nextInt();
36 }
37 void cal_average(String name,int runs,int matches)
38 {
39     average=(float) runs/matches;
40     System.out.println("Average runs given by the bowler "+name+" = "+average);
41 }
42 }
43 public class Inheri2_abstract {
44     public static void main(String[] args){
45         Scanner s=new Scanner(System.in);
46         System.out.println("Enter the number of batsmen:");
47         int m=s.nextInt();
48         Batsman[] bt=new Batsman[m];
49         for (int i=0;i<m;i++){
50             bt[i]=new Batsman();
51             bt[i].accept_details();
52         }
53         for (int i=0;i<m;i++){
54             bt[i].cal_average(bt[i].name,bt[i].runs_scored,bt[i].matches_played);
```



```
47     int m=s.nextInt();
48     Batsman[] bt=new Batsman[m];
49     for (int i=0;i<m;i++){
50         bt[i]=new Batsman();
51         bt[i].accept_details();
52     }
53     for (int i=0;i<m;i++){
54         bt[i].cal_average(bt[i].name, bt[i].runs_scored, bt[i].matches_played);
55     }
56     System.out.println("Enter the number of bowlers:");
57     int n=s.nextInt();
58     Bowler[] bl=new Bowler[n];
59     for (int i=0;i<n;i++){
60         bl[i]=new Bowler();
61         bl[i].accept_details();
62     }
63     System.out.println();
64     for (int i=0;i<n;i++){
65         bl[i].cal_average(bl[i].name, bl[i].runs_given, bl[i].matches_played);
66     }
67 }
68 }
69 }
```

Run: Inheri2_abstract x

"C:\Program Files\Java\jdk1.8.0_261\bin\java.exe" ...

Enter the number of batsmen:

2

Enter the name of the player:

Sachin

Enter the number of matches played:

200

Enter the number of runs scored by the batsman:

20000

Enter the name of the player:

Virat

Enter the number of matches played:

150

Enter the number of runs scored by the batsman:

15000

Average runs scored by the batsman Sachin = 100.0

Average runs scored by the batsman Virat = 100.0

Enter the number of bowlers:

2

Enter the name of the player:

Shardul

Enter the number of matches played:

20

Enter the number of runs given by the bowler:

200

Enter the name of the player:

Chahal

Run TODO Problems Terminal Build

Average runs scored by the batsman Sachin = 100.0

Average runs scored by the batsman Virat = 100.0

Enter the number of bowlers:

2

Enter the name of the player:

Navdeep

Enter the number of matches played:

20

Enter the number of runs given by the bowler:

278

Enter the name of the player:

Chahal

Enter the number of matches played:

48

Enter the number of runs given by the bowler:

234

Average runs given by the bowler Navdeep = 13.9

Average runs given by the bowler Chahal = 4.875

Process finished with exit code 0

4: Run

TODO

6: Problems

Terminal

Build