

E\_1.java > Player

```
1  import java.util.Scanner;
2
3  class Player{
4      String id;
5      String name;
6      int[] scores;
7      int no_matches_played;
8
9      Player(){
10         id = "10";
11         name = "neymar";
12         scores = new int[]{4, 7, 6, 9};
13         no_matches_played = 4;
14     }
15
16     Player(String id1, String name1, int[] scores1, int n){
17         id = id1;
18         name = name1;
19         scores = scores1;
20         no_matches_played = n;
21     }
22
23     void getDetails(){
24         Scanner sc = new Scanner(System.in);
25         System.out.println("Enter player details:");
26         System.out.println("Enter id:");
27         id = sc.next();
28         System.out.println("Enter name:");
29         name = sc.next();
30         System.out.println("Enter no of matches played:");
31         no_matches_played = sc.nextInt();
32         scores = new int[no_matches_played];
33         for(int i = 0; i < no_matches_played; i++){
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30     System.out.println("Enter no of matches played:");
31     no_matches_played = sc.nextInt();
32     scores = new int[no_matches_played];
33     for(int i = 0; i < no_matches_played; i++){
34         System.out.println("Enter goals scored in match " + (i+1) + ":");
35         scores[i] = sc.nextInt();
36     }
37 }
38 void printDetails(){
39     System.out.println("The player details are:");
40     System.out.println("id: " + id + "\tname: " + name + "\tno of matches played: " + no_matches_played);
41     for(int i = 0; i < no_matches_played; i++){
42         System.out.println("Goals scored in match " + (i+1) + ": " + scores[i]);
43     }
44 }
45 double avg(){
46     int scoreSum = 0;
47     for(int i = 0; i < no_matches_played; i++){
48         scoreSum += scores[i];
49     }
50     return (scoreSum / (no_matches_played + 0.0));
51 }
52 }
53
54
55 public class E_1 {
56     Run | Debug
57     public static void main(String[] args){
58         int[] score = {3, 4, 7};
59         double p1avg, p2avg;
60         Player p1 = new Player();
61         Player p2 = new Player("cr17", "ronaldo", score, 3);
62         p1.getDetails();

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58     double p1avg, p2avg;
59     Player p1 = new Player();
60     Player p2 = new Player("cr17", "ronaldo", score, 3);
61     p1.getDetails();
62     p1avg = p1.avg();
63     p2avg = p2.avg();
64
65     if (p1avg > p2avg){
66         System.out.println("Player 1 has greatest average. i.e, " + p1avg + "\tplayer 2 average is: " + p2avg);
67         System.out.println("Player 1:");
68         p1.printDetails();
69         System.out.println("Player 2:");
70         p2.printDetails();
71     }
72     else if(p2avg > p1avg){
73         System.out.println("Player 2 has greatest average. i.e, " + p2avg + "\tplayer 1 average is: " + p1avg);
74         System.out.println("Player 2:");
75         p2.printDetails();
76         System.out.println("Player 1:");
77         p1.printDetails();
78     }
79     }
80     else{
81         System.out.println("Both player 1 and 2 have equal average. " + "\tplayer 1 average is: " + p1avg +
82         "\tplayer 2 average is: " + p2avg);
83         System.out.println("Player:");
84         p1.printDetails();
85         System.out.println("Player 2:");
86         p2.printDetails();
87     }
88 }
89 }
```

```
E:\jdk8\bin\ooj lab>javac E_1.java
E:\jdk8\bin\ooj lab>java E_1
Enter player details:
Enter id:
messi10
Enter name:
leo-messi
Enter no of matches played:
5
Enter goals scored in match 1:
4
Enter goals scored in match 2:
3
Enter goals scored in match 3:
6
Enter goals scored in match 4:
1
Enter goals scored in match 5:
2
Player 2 has greatest average. i.e, 4.666666666666667   player 1 average is: 3.2
Player 2:
The player details are:
id: cr17      name: ronaldo   no of matches played: 3
Goals scored in match 1: 3
Goals scored in match 2: 4
Goals scored in match 3: 7
Player 1:
The player details are:
id: messi10   name: leo-messi no of matches played: 5
Goals scored in match 1: 4
Goals scored in match 2: 3
Goals scored in match 3: 6
Goals scored in match 4: 1
Goals scored in match 5: 2
E:\jdk8\bin\ooj lab>
```