

```
1 import java.util.Scanner;
2
3 class Player
4 {
5     String name;
6     private String id;
7     private double scores[],avg;
8     private int no_matches_played;
9
10    Scanner ss=new Scanner(System.in);
11
12    Player()
13    {
14        name="Mahendra Singh Dhoni";
15        id="123abc456";
16        scores=new double[]{23,45,43,14};
17        no_matches_played=4;
18    }
19
20    Player(String nam,String ID,double score[],int nmp)
21    {
22        name=nam;
23        id=ID;
24        scores=score;
25        no_matches_played=nmp;
26    }
27
28
29    void getDetails()
30    {
31        System.out.println("\nEnter the Player Details: ");
```

```
29 void getDetails()
30 {
31     System.out.println("\nEnter the Player Details: ");
32     System.out.println("\nName: ");
33     name=ss.next();
34     System.out.println("ID: ");
35     id=ss.next();
36     System.out.println("Number of matches played: ");
37     no_matches_played=ss.nextInt();
38     scores=new double[no_matches_played];
39     System.out.println("Enter the score of the matches played: ");
40     for(int i=0;i<no_matches_played;i++)
41     {
42         System.out.println("Enter the score of match"+(i+1)+" :");
43         scores[i]=ss.nextInt();
44     }
45 }
46
47 void printDetails()
48 {
49     System.out.println("\nThe player details are: ");
50     System.out.println("\nName: "+name);
51     System.out.println("\nID: "+id);
52     for(int i=0;i<no_matches_played;i++)
53     {
54         System.out.println("The Player Scored "+scores[i]+" in Match "+(i+1));
55     }
56 }
57
58 void avg_score()
59 {
60     double sum=0;
```

```
58 void avg_score()
59 {
60     double sum=0;
61     for(int i=0;i<no_matches_played;i++)
62         sum+=scores[i];
63     avg=sum/no_matches_played;
64     System.out.println("The average score is: "+avg);
65 }
66 double getavg()
67 {
68     return avg;
69 }
70 }
71 }
72
73 class Player_Details{
74     public static void main(String args[])
75     {
76         Player p1=new Player();
77         p1.printDetails();
78         p1.getDetails();
79         p1.printDetails();
80         double runs[]={56.0,78.0,97.0,23.0,41.0,45.0};
81         Player p2=new Player("Virat Kohli","123ABC456",runs,6);
82         p2.printDetails();
83         p2.avg_score();
84
85         if(p1.getavg()>p2.getavg())
86             System.out.println("The Player with highest average is: "+p1.name);
87         else
88             System.out.println("The player with highest average is: "+p2.name);
89     }
90 }
```