

E-1

```
import java.util.Scanner;
```

```
class Player {
```

```
    String id;
```

```
    String name;
```

```
    int[] scores;
```

```
    int no_matches_played;
```

```
    Player() {
```

```
        id = "10";
```

```
        name = "Neymar";
```

```
        scores = new int[] {4, 7, 6, 9};
```

```
        no_of_matches_played = 4;
```

```
    }
```

```
    Player(String id1, String name1, int[] scores1, int n) {
```

```
        id = id1;
```

```
        name = name1;
```

```
        scores = scores1;
```

```
        no_of_matches_played = n;
```

```
    }
```

```
    void getDetails() {
```

```
        Scanner sc = new Scanner(System.in);
```

```
        System.out.println("Enter player details:");
```

```
        System.out.println("Enter id:");
```

```
        id = sc.next();
```

```
        System.out.println("Enter name:");
```

```
name = sc.next();
System.out.println("Enter no of matches played:");
no_matches_played = sc.nextInt();
scores = new int[no_matches_played];
for(int i=0; i < no_matches_played; i++) {
    System.out.println("Enter goals scored in match" + (i+1) + ":");
    scores[i] = sc.nextInt();
}

void printDetails() {
    System.out.println("The player details are:");
    System.out.println("Id: " + id + " | Name: " + name + " | " +
        "no of matches played: " + no_matches_played);
    for(int i=0; i < no_matches_played; i++) {
        System.out.println("Goals scored in match" + (i+1) + ": " +
            scores[i]);
    }
}

double avg() {
    int scoreSum = 0;
    for(int i=0; i < no_matches_played; i++) {
        scoreSum += sum scores[i];
    }
    return (scoreSum / (no_matches_played + 0.0));
}
```



```
public class E_11
```

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

```
int[] score = {3, 4, 7};
```

```
double p1avg, p2avg;
```

```
Player p1 = new Player();
```

```
Player p2 = new Player("cr17", "ronaldo", score, 3);
```

```
p1.getDetails();
```

```
p1avg = p1.avg();
```

```
p2avg = p2.avg();
```

```
if (p1avg > p2avg) {
```

```
System.out.println("Player 1 has greatest avg" + p1avg +  
" player 2 avg is " + p2avg);
```

```
}
```

```
else if (p2avg > p1avg) {
```

```
System.out.println("Player 2 has greatest avg" + p2avg +  
" player 1 avg is " + p1avg);
```

```
}
```

```
else { System.out.println("Both have same avg" + p1avg);
```

```
}
```

```
System.out.println("Player 1");
```

```
p1.printDetails();
```

```
System.out.println("Player 2");
```

```
p2.printDetails();
```

```
}
```

```
}
```