```java
import javax.swing.JOptionPane;

public class six {

    public static void main(String[] args) {

        String playerPos;
        int idNum;
        double battingAvg;

        playerPos = JOptionPane.showInputDialog("What is your position?");
        idNum = Integer.parseInt(JOptionPane.showInputDialog(null, "What is the "
            + playerPos + "'s id", playerPos, JOptionPane.QUESTION_MESSAGE));
        battingAvg = Double.parseDouble(JOptionPane.showInputDialog(null, "What is the "
            + playerPos + "'s Batting Average", playerPos, JOptionPane.QUESTION_MESSAGE));

        BaseballPlayer Catcher = new BaseballPlayer(playerPos, idNum, battingAvg);
        JOptionPane.showMessageDialog(null, "Player # " + Catcher.getId() +
                " batting average is " + Catcher.getAvg() + " There are " +
                Catcher.getCount() + " players total on the team", "Display Player"
                , JOptionPane.INFORMATION_MESSAGE);

        playerPos = JOptionPane.showInputDialog("What is your position?");
        idNum = Integer.parseInt(JOptionPane.showInputDialog(null, "What is the "
            + playerPos + "'s id", playerPos, JOptionPane.QUESTION_MESSAGE));
        battingAvg = Double.parseDouble(JOptionPane.showInputDialog(null, "What is the "
            + playerPos + "'s Batting Average", playerPos, JOptionPane.QUESTION_MESSAGE));

        BaseballPlayer Shortstop = new BaseballPlayer(playerPos, idNum, battingAvg);
        JOptionPane.showMessageDialog(null, "Player # " + Shortstop.getId() +
                " batting average is " + Shortstop.getAvg() + " There are " +
                Catcher.getCount() + " players total on the team", "Display Player"
                , JOptionPane.INFORMATION_MESSAGE);

        playerPos = JOptionPane.showInputDialog("What is your position?");

        battingAvg = Double.parseDouble(JOptionPane.showInputDialog(null, "What is the "
            + playerPos + "'s Batting Average", playerPos, JOptionPane.QUESTION_MESSAGE));

        BaseballPlayer Outfielder = new BaseballPlayer(playerPos, battingAvg);
        JOptionPane.showMessageDialog(null, "Player # " + Outfielder.getId() +
                " batting average is " + Outfielder.getAvg() + " There are " +
                Catcher.getCount() + " players total on the team", "Display Player"
                , JOptionPane.INFORMATION_MESSAGE);

        playerPos = JOptionPane.showInputDialog("What is your position?");
        idNum = Integer.parseInt(JOptionPane.showInputDialog(null, "What is the "
            + playerPos + "'s id", playerPos, JOptionPane.QUESTION_MESSAGE));

        BaseballPlayer Batter = new BaseballPlayer(playerPos, idNum);
        JOptionPane.showMessageDialog(null, "Player # " + Batter.getId() +
                " batting average is " + Batter.getAvg() + " There are " +
                Catcher.getCount() + " players total on the team", "Display Player"
                , JOptionPane.INFORMATION_MESSAGE);

        JOptionPane.showMessageDialog(null, "There are " +
```

```java
57                      Catcher.getCount() + " players & the teams collective batting average is: "
58                      + Catcher.getTeamAvg(), "Collective Batting Average"
59                      , JOptionPane.INFORMATION_MESSAGE);
60
61        }
62
63  }
```

```java
 1
 2  public class BaseballPlayer {
 3      private int id;
 4      private double batAvg;
 5      private String position;
 6      private static int count = 0;
 7      private static double teamAvgSum = 0.0;
 8
 9      BaseballPlayer(){
10          id = 0;
11          batAvg = 0;
12          position = "";
13          teamAvgSum += batAvg;
14          count++;
15      }
16      BaseballPlayer(String pos, int num, double avg){
17          position = pos;
18          id = num;
19          batAvg = avg;
20          teamAvgSum += batAvg;
21          count ++;
22      }
23
24      BaseballPlayer(String pos, double avg){
25          position = pos;
26          id = 999;
27          batAvg = avg;
28          teamAvgSum += batAvg;
29          count ++;
30      }
31
32      BaseballPlayer(String pos, int num){
33          position = pos;
34          id = num;
35          batAvg = .5;
36          teamAvgSum += batAvg;
37          count ++;
38      }
39
40      public int getCount(){
41          return count;
42      }
43
44      public double getTeamAvg() {
45          return teamAvgSum / count;
46      }
47
48      public int getId() {
49          return id;
50      }
51
52      public double getAvg() {
53          return batAvg;
54      }
55
56  }
```

Input

? What is your position?

Catcher

OK   Cancel

Catcher

? What is the Catcher's id

12

OK   Cancel

Catcher

? What is the Catcher's Batting Average

0.218

OK   Cancel

Display Player

i Player # 12 batting average is 0.218 There are 1 players total on the team

OK

Input

? What is your position?

Shortstop

OK   Cancel

Shortstop

? What is the Shortstop's id

31

OK   Cancel

Shortstop

What is the Shortstop's Batting Average

`0.385`

[OK] [Cancel]

Display Player

(i) Player # 31 batting average is 0.385 There are 2 players total on the team

[OK]

Input

What is your position?

`Outfielder`

[OK] [Cancel]

Outfielder

What is the Outfielder's Batting Average

`0.505`

[OK] [Cancel]

Display Player

(i) Player # 999 batting average is 0.505 There are 3 players total on the team

[OK]

Input

? What is your position?

Batter

[OK] [Cancel]

Batter

? What is the Batter's id

44

[OK] [Cancel]

Display Player

(i) Player # 44 batting average is 0.5 There are 4 players total on the team

[OK]

Collective Batting Average

(i) There are 4 players & the teams collective batting average is: 0.402

[OK]