

Week 4 extra programs

1) import java.util.Scanner;

class Player {

int id;

String name;

int no-matches-played;

int scores[];

int totalScore;

Scanner sc = new Scanner(System.in);

public Player() {

id = 0;

name = null;

}

public Player(int Id, String Name, int matchesPlayed,
int score[]) {

this.id = Id;

this.name = Name;

this.no-matches-played = matchesPlayed;

this.scores = score;

}

void calcTotalScore() {

for (i = 0; i < no-matches-played; i++) {

totalScore += scores[i];

}

}

```
void setDetails () {
```

```
    System.out.print("Enter Name: ");
```

```
    this.name = sc.nextLine();
```

```
    System.out.print("Enter ID: ");
```

```
    this.id = sc.nextInt();
```

```
    System.out.print("Enter matches  
played: ");
```

```
    this.no_matches_played = sc.nextInt();
```

```
    scores = new int[no_matches_played];
```

```
    for (int i = 0; i < no_matches_played; i++) {
```

```
        System.out.println("Enter Score  
in each match: " + (i+1) + ": ");
```

```
        scores[i] = sc.nextInt();
```

```
        totalScore += scores[i];
```

```
    }
```

```
}
```

```
void getDetails () {
```

```
    System.out.println("ID: " + id + "Name" +  
name + " matches played: " + no_m_played);
```

```
    for (int i = 0; i < no_matches_played; i++) {
```

```
        System.out.println("Score in match " + (i+1) +  
scores[i]);
```

```
        System.out.println("Avg is " + calcAverage());
```

```
}
```

```

float calcAvg() {
    return (float)(totalScore/no-matches-played);
}
}

```

```

public class ExtraProg1 {
    public static void main(String args[]) {
        int scores[] = {50, 45, 70};
        Player p1 = new Player(27, "Grauer", 3 scores);
        p1.calcTotalScore();
        Player p2 = new Player();
        p2.setDetails();
        if (p1.calcAvg() > p2.calcAvg()) {
            p1.getDetails();
        } else {
            p2.getDetails();
        }
    }
}
}

```