

```
import java.util. Scanner;
class Player
{
    private String name;
    private int matches-played;
    private double average;
    void setData()
    {
        Scanner nn = new Scanner(System.in)
        System.out.println("Enter the name of the player");
        name = nn.next();
        nn.nextLine();
        System.out.println("Enter the number of matches  
played by the player:");
        matches-played = nn.nextInt();
    }
    void setAverage(double n)
    {
        average = n;
    }
    int returnMatchesPlayed()
    {
        return matches-played;
    }
    void displayAverage()
    {
        System.out.println("The name of the player is:  
" + name);
    }
}
```

```
System.out.println("The average of the player is: " + avg);
```

```
}
```

```
}
```

```
class batsman extends Player
```

```
{
```

```
    private int runs_scored[];
```

```
    private int n;
```

```
    void setData()
```

```
{
```

```
        setData();
```

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

```
        n = returnMatchesPlayed();
```

```
        runs_scored = new int[n];
```

```
        System.out.println("Enter the runs scored:");
```

```
        for (int i = 0; i < n; i++)
```

```
        {
```

```
            System.out.print("Enter the runs scored in " + (i+1) + " match: ");
```

```
            runs_scored[i] = xn.nextInt();
```

```
        }
```

```
    }
```

```
    void calculateAverage()
```

```
{
```

```
        double temp = 0;
```

```
        for (int i = 0; i < n; i++)
```

```
        {
```

```
            temp = temp + runs_scored[i];
```

```
        }
```

```

temp = temp / returnMatchDisplayed();
SetAverage(temp);
}
}

```

```

class Bowler extends Player {
    private int runs-scored[];
    private int n;

```

```

    void setData1()

```

```

    {
        setData();
        Scanner nn = new Scanner(System.in);
        n = returnMatchDisplayed();
        runs-scored = new int[n];
        System.out.println("Enter the runs given: ");
        for (int i = 0; i < n; i++)
        {
            System.out.println("Enter the runs given in " + (i+1) + " match: ");
            runs-scored[i] = nn.nextInt();
        }
    }

```

```

    void calculateAverage()
    {
        double temp = 0;

```



```

for (int i=0; i<n; i++)
{
    temp = temp + runs scored(i);
}
temp = temp / return matches played();
set average(temp);
}
}

```

public class week 72

```

{
    public static void main (String [] args)
    {
        int n, run;
        Scanner nn = new Scanner (System.in);
        System.out.println ("Enter the number of batsman:");
        n = nn.nextInt();
        batsman p1[] = new batsman(n);
        bowler p2[] = new bowler(n);
        System.out.println ("Enter the details of the batsman:");
    }
}

```

```

for (int i=0; i<n; i++)
{
    p1[i] = new batsman();
    p1[i].setData();
    p1[i].calculateaverage();
}

```

```

System.out.println ("Enter the details of the bowlers:");

```

```
for(int i=0; i<n; i++)
```

```
{
```

```
    p2[i] = new bowler();
```

```
    p2[i].setdata();
```

```
    p2[i].calculateaverage();
```

```
}
```

```
System.out.println("The details of the batsmen  
are:");
```

```
for(int i=0; i<n; i++)
```

```
{
```

```
    p1[i].displayaverage();
```

```
}
```

```
System.out.println("The details of the bowler are:");
```

```
for(int i=0; i<n; i++)
```

```
{
```

```
    p2[i].displayaverage();
```

```
}
```

```
}
```

```
}
```