

Week 7 - Player

```
import java.util;  
import java.lang;  
abstract class player  
{  
    String name = "";  
    int matches_played, average;  
    abstract void calc_average (String name, int matches_played, int  
                                average);  
}  
  
class batsman extended player  
{  
    void calc_average (String name, int matches_played, int average)  
    {  
        int total_runs = 0, runs_scored = 0;  
        System.out.println ("Enter the runs scored in the matches");  
        Scanner sc1 = new Scanner (System.in);  
        for (int i = 0; i < matches_played; i++)  
        {  
            runs_scored = sc1.nextInt ();  
            total_runs = total_runs + runs_scored;  
        }  
        average = total_runs / matches_played;  
        System.out.println ("The name of batsman is " + name + "\n" +  
                             the average of total runs played is average);  
    }  
}
```

```

    }
}

class bowler extends player
{
    void calc_average (String name, int matches_played, int average)
    {
        int total_runs = 0, runs_given = 0;
        System.out.println ("Enter the runs given in the matches ");
        Scanner sc2 = new Scanner (System.in);
        for (int i = 0; i < matches_played; i++)
        {
            runs_given = sc2.nextInt();
            total_runs = total_runs + runs_given;
        }

        average = total_runs / matches_played;
        System.out.println ("The name of bowler is " + name + "\n" + "The
        average of total runs given is " + average);
    }
}

class Main51
{
    public static void main (String args [])
    {
        int m, n;
        int mp = 0, average = 0;
    }
}

```

```
string name;
```

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

```
System.out.println ("Enter # number of batsman and number of  
bowlers");
```

```
m = sc.nextInt();
```

```
n = sc.nextInt();
```

```
batsman b[] = new batsman [m];
```

```
bowler bl [] = new bowler [n];
```

```
int i, j;
```

```
{ for (i=0; i<m; i++)
```

```
{ b[i] = new batsman();
```

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

```
System.out.println ("Enter the name and matches played ");
```

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

```
mp = sc.nextInt();
```

```
{ b[i].calcAverage(name, mp, average);
```

```
{ for (j=0; j<n; j++)
```

```
{ bl[j] = new bowler();
```

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

```
System.out.println ("Enter name and no of matches played ");
```

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

```
mp = sc.nextInt();
```



```
bl[y].calc-average(name, mp, average);  
}  
  
}  
  
}
```