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2. import java.util.Scanner;
abstract class PLAYER
{
    String name;
    int matches-played;
    double average;
    abstract void cal-average(String n, int matches,
                                int runs);
}

class BATSMAN extends PLAYER
{
    int runs-scored;
    void cal-average(String n, int matches, int runs)
    {
        name=n;
        matches-played=matches;
        runs-scored=runs;
        average=(double)runs-scored/matches-played;
    }
}

class BOWLER extends PLAYER
{
    int runs-given;
    void cal-average(String n, int matches, int runs)
    {
        name=n;
        matches-played=matches;
        runs-given=runs;
        average=(double)runs-given/matches-played;
    }
}

class PLAYERMain
{
    public static void main(String args[])
    {

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int i, m, n, matches, runs;
String Name;
Scanner sc = new Scanner(System.in);
System.out.println("Enter the number of
batmen & the number of bowlers");
m = sc.nextInt();
n = sc.nextInt();
BATSMAN bat[] = new BATSMAN[m];
BOWLER bow[] = new BOWLER[n];
for (i = 0; i < m; i++)
{
    bat[i] = new BATSMAN();
    System.out.println("Enter " + (i+1) + " batsman's name,
    number of matches played and runs scored");
    Name = sc.next();
    matches = sc.nextInt();
    bat[i].calAverage(Name, matches, runs);
}
for (i = 0; i < n; i++)
{
    bow[i] = new BOWLER();
    System.out.println("Enter " + (i+1) + " bowler's name,
    number of matches played and runs given");
    Name = sc.next();
    matches = sc.nextInt();
    bow[i].calAverage(Name, matches, runs);
}
for (i = 0; i < m; i++)
{
    System.out.println("The average runs scored by
    " + (i+1) + " batsman is: " + bat[i].average);
}
for (i = 0; i < n; i++)
{
    System.out.println("The average runs given by
    " + (i+1) + " bowler is: " + bow[i].average);
}
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```
import java.util.Scanner;

abstract class PLAYER
{
    String name;

    int matches_played;

    double average;

    abstract void cal_average(String n,int matches,int runs);
}

class BATSMAN extends PLAYER
{
    int runs_scored;

    void cal_average(String n, int matches, int runs)
    {
        name=n;

        matches_played=matches;

        runs_scored=runs;

        average=(double)runs_scored/matches_played;
    }
}

class BOWLER extends PLAYER
{
    int runs_given;

    void cal_average(String n, int matches, int runs)
    {
        name=n;

        matches_played=matches;

        runs_given=runs;

        average=(double)runs_given/matches_played;
    }
}
```

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}

class PLAYERMain
{
    public static void main(String args[])
    {
        int i,m,n,matches,runs;

        String Name;

        Scanner sc=new Scanner(System.in);

        System.out.println("Enter the number of batsmen and the number of bowlers");

        m=sc.nextInt();

        n=sc.nextInt();

        BATSMAN bat[]=new BATSMAN[m];

        BOWLER bow[]=new BOWLER[n];

        for(i=0;i<m;i++)
        {
            bat[i]=new BATSMAN();

            System.out.println("Enter "+(i+1)+" batsman's name, number of matches played and runs scored");

            Name=sc.next();

            matches=sc.nextInt();

            runs=sc.nextInt();

            bat[i].cal_average(Name,matches,runs);
        }

        for(i=0;i<n;i++)
        {
            bow[i]=new BOWLER();

            System.out.println("Enter "+(i+1)+" bowler's name, number of matches played and runs given");

            Name=sc.next();

            matches=sc.nextInt();

            runs=sc.nextInt();
        }
    }
}

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        bow[i].cal_average(Name,matches,runs);
    }
    for(i=0;i<m;i++)
    {
        System.out.println("The average runs scored by "+(i+1)+" batsman is: "+bat[i].average);
    }
    for(i=0;i<n;i++)
    {
        System.out.println("The average runs given by "+(i+1)+" bowler is: "+bow[i].average);
    }
}
}
}

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C:\Users\Adithi\Desktop\java_prgs>java PLAYERMain
Enter the number of batsmen and the number of bowlers
2
1
Enter 1 batsman's name, number of matches played and runs scored
batsman1
3
150
Enter 2 batsman's name, number of matches played and runs scored
batsman2
5
150
Enter 1 bowler's name, number of matches played and runs given
bowler1
4
40
The average runs scored by 1 batsman is: 50.0
The average runs scored by 2 batsman is: 30.0
The average runs given by 1 bowler is: 10.0
C:\Users\Adithi\Desktop\java_prgs>

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