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import java.util.Scanner;
abstract public class player
{
    Scanner sc=new Scanner(System.in);

    String name;
    int played;
    double avg;
    void getData1()
    {
        System.out.println("Enter the name of the player");
        name=sc.next();
        System.out.println("Enter the number of matches played");
        played=sc.nextInt();
    }

    abstract void cal_average();
}
class batsman extends player
{
    Scanner sc=new Scanner(System.in);

    int runs_scored;
    void getData2()
    {
        getData1();
        System.out.println("Enter the runs scored by batsman:");
        runs_scored=sc.nextInt();
    }
    void cal_average()
    {
        avg=(double)runs_scored/played;
    }
    void display()
    {
        System.out.println("name of the batsman="+name);
        System.out.println("Runs scored="+runs_scored);
        System.out.println("The average runs scored by batsman:="+avg);
    }
}
class bowler extends player
{
    Scanner sc=new Scanner(System.in);

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int runs_given;
void getData2()
{
    getData1();
    System.out.println("Enter the runs given by bowler:");
    runs_given=sc.nextInt();
}
void cal_average()
{
    avg=(double)runs_given/played;
}
void display()
{
    System.out.println("name of the bowler="+name);
    System.out.println("Runs given="+runs_given);
    System.out.println("The average runs given by bowler:="+avg);
}
}
class playerMain
{
    public static void main(String args[])
    {
        Scanner sc=new Scanner(System.in);
        System.out.println("Enter the number of batsmen:");
        int m=sc.nextInt();
        System.out.println("Enter the number of bowler:");
        int n=sc.nextInt();
        batsman ba[]=new batsman[m];
        bowler bo[]=new bowler[n];
        for(int i=0;i<m;i++)
        {
            System.out.println("Batsman Details");
            ba[i]=new batsman();
            ba[i].getData2();
            ba[i].cal_average();
            ba[i].display();
        }
        for(int i=0;i<n;i++)
        {
            System.out.println("Bowler details");
            bo[i]=new bowler();
            bo[i].getData2();
        }
    }
}

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        bo[i].cal_average();  
        bo[i].display();  
    }  
}
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