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RunScoredGiven.java 🖴
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  import java.util.Scanner;
  abstract class PLAYER{
       String name;
       int matches_played;
        float average;
       abstract float cal_avg();
  class BATSMAN extends PLAYER{
       int runs_scored;
       float cal_avg(){
             return average=runs_scored/matches_played;
 }
4 class BOWLER extends PLAYER{
       int runs_given;
        float cal_avg(){
            return average=runs_given/matches_played;
9 }
20 class PlayerMain{
       public static void main(String args[]){
             int m,n;
             Scanner ss=new Scanner(System.in);
             System.out.print("Enter Number of Batsmen:");
             m=ss.nextInt();
             System.out.print("Enter Number of Bowlers:");
             n=ss.nextInt();
             BATSMAN BA[]=new BATSMAN[m];
BOWLER BO[]=new BOWLER[n];
             for(int i=0;i<m;i++){
                   BA[i]=new BATSMAN();
                   System.out.print("\nEnter Batsman "+(i+1)+" Details below,");
System.out.print("\nEnter Name:");
                   BA[i].name=ss.next();
                                                ter number of matches played:");
                   System.out.print("En
                   BA[i].matches_played=ss.nextInt();
                   System.out.print("Enter to
                                                             runs scored:");
                   BA[i].runs_scored=ss.nextInt();
              for(int i=0;i<n;i++){
                  BO[i]=new BOWLER();
                   System.out.print("\nEnter Bowler "+(i+1)+" Details below,");
System.out.print("\nEnter Name:");
                   BO[i].name=ss.next();
                   System.out.print("Enter number of matches played:");
                   BO[i].matches_played=ss.nextInt();
                   System.out.print("Enter ru
                   BO[i].runs_given=ss.nextInt();
             for(int i=0;i<m;i++){
    tem out print()</pre>
                    System.out.print("\nBatsman "+(i+1)+" Details,");
System.out.print("\nName: "+BA[i].name);
System.out.print("\nMatches Played: "+BA[i].matches_played);
System.out.print("\nTotal runs scored: "+BA[i].runs_scored);
System.out.print("\nAverage runs scored: "+BA[i].cal_avg());
             for(int i=0;i<n;i++){
                    System.out.print("\nBowler "+(i+1)+" Details,");
System.out.print("\nName:"+B0[i].name);
System.out.print("\nMatches Played:"+B0[i].matches_played);
System.out.print("\nTotal runs Conceded:"+B0[i].runs_given);
System.out.print("\nAverage runs scored:"+B0[i].cal_avg());
               }
       }
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scgpa.java 🖴
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 class Student
 {
      String usn, name;
      float cr[]=new float[5];
float m[]=new float[5];
      Scanner s=new Scanner(System.in);
      void getdet()
        System.out.println("Enter Name:");
        name=s.next();
        System.out.println("Enter USN:");
        usn=s.next();
        for(int i=0;i<5;i++)
          System.out.println("Enter Credits for subject "+(i+1)+":");
          cr[i]=s.nextFloat();
          System.out.println("Enter Marks for subject "+(i+1)+"(for 100):");
          m[i]=s.nextFloat();
        }
      }
      public void printdet()
        System.out.println("Student Details are,");
System.out.println ("Name:"+name);
System.out.println ("USN:"+usn);
        for(int i=0;i<5;i++)
          System.out.println("Subject "+(i+1)+" Credits:"+cr[i]);
System.out.println("Subject "+(i+1)+" Marks:"+m[i]);
        }
      public void scgpa()
        int a;
float scg=0,tcr=0;
        for(int i=0;i<5;i++)
          tcr+=cr[i];
         for(int i=0;i<5;i++)
            if(m[i]>=90)
            else if(m[i]>=80)
            a=8;
            else if(m[i]>=70)
            else if(m[i]>=60)
            a=6;
            else if(m[i] >= 50)
            a=5;
            a=4;
            scg+=((cr[i]*a)/tcr);
        System.out.println("SCGP is "+scg);
 }
 class main
   public static void main(String args[])
      float scgp;
      Scanner n=new Scanner(System.in);
      Student s1=new Student();
      s1.getdet();
      s1.printdet();
      s1.scgpa();
   }
6 }
```