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public class Student {
    private int subjectA,subjectB,subjectC;
    Student(int x,int y, int z)
    {
        subjectA=x;
        subjectB=y;
        subjectC=z;
    }
    public static int studentsTotalMarksInAllSubjects(Student[] students) {
        int sum=0;
        for(Student s:students)
        {
            sum+=s.subjectA+s.subjectB+s.subjectC;
        }
        return sum;
    }

    public static double studentsAverageMarksInAllSubjects(Student[]
students) {
        double avg=0;
        int sum=0;
        for(Student s:students)
        {
            sum+=s.subjectA+s.subjectB+s.subjectC;
        }
        avg=sum/3;
        return avg;
    }

    public static int subjectATotalByStudents(Student[] students) {
        int sum=0;
        for (Student s:students)
        {
            sum+=s.subjectA;
        }
        return sum;
    }
    public static int subjectBTotalByStudents(Student[] students) {
        int sum=0;
        for (Student s:students)
        {
            sum+=s.subjectB;
        }
        return sum;
    }
    public static int subjectCTotalByStudents(Student[] students) {
        int sum=0;
        for (Student s:students)
        {
            sum+=s.subjectC;
        }
    }
}
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    }
    return sum;
}

public static double subjectAAverageByStudents(Student[] students) {
    double avg=0;
    int sum=0;
    for (Student s:students)
    {
        sum+=s.subjectA;
    }
    avg=sum/3;
    return avg;
}

public static double subjectBAverageByStudents(Student[] students) {
    double avg=0;
    int sum=0;
    for (Student s:students)
    {
        sum+=s.subjectB;
    }
    avg=sum/3;
    return avg;
}

public static double subjectCAverageByStudents(Student[] students) {
    double avg=0;
    int sum=0;
    for (Student s:students)
    {
        sum+=s.subjectC;
    }
    avg=sum/3;
    return avg;
}
}

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public class assignment09 extends Student{
    assignment09(int x,int y,int z){
        super(x,y,z);
    }
    public static void main(String[] args) {
        Student s1=new Student(10,20,30);
        Student s2=new Student(10,20,30);
        Student s3=new Student(10,20,30);
        Student s[]={s1,s2,s3};
        System.out.println(studentsTotalMarksInAllSubjects(s));
        System.out.println(studentsAverageMarksInAllSubjects(s));
        System.out.println(subjectATotalByStudents(s));
        System.out.println(subjectAAverageByStudents(s));
        System.out.println(subjectBTTotalByStudents(s));
        System.out.println(subjectBAverageByStudents(s));
        System.out.println(subjectCTotalByStudents(s));
        System.out.println(subjectCAverageByStudents(s));
    }
}

```

}