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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;  
 }  
 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;  
 }  
}

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(*subjectBTotalByStudents*(s));  
 System.*out*.println(*subjectBAverageByStudents*(s));  
 System.*out*.println(*subjectCTotalByStudents*(s));  
 System.*out*.println(*subjectCAverageByStudents*(s));  
 }  
  
  
}