public class MainClass {  
  
 public static void main(String[] args) throws InterruptedException {  
  
 Utils util = new Utils();  
  
 String sName,sYear,sCourse,sSubject;  
 Integer q1,q2,q3,u1,u2,t1;  
 String tName, tDept;  
  
  
 tName = util.getStringAnswer("Enter Teacher's name: ");  
 tDept = util.getStringAnswer("Enter Teacher's department: ");  
  
 System.*out*.println(" ");  
  
 Teacher t = new Teacher(tName, tDept);  
  
 sName = util.getStringAnswer("Enter student name: ");  
 sYear = util.getStringAnswer("Enter student year: ");  
 sCourse = util.getStringAnswer("Enter student course: ");  
 sSubject = util.getStringAnswer("Enter student subject: ");  
 System.*out*.println(" ");  
  
 q1 = util.getIntAnswer("Enter Quiz 1: ");  
 q2 = util.getIntAnswer("Enter Quiz 2: ");  
 q3 = util.getIntAnswer("Enter Quiz 3: ");  
 u1 = util.getIntAnswer("Enter Unit 1: ");  
 u2 = util.getIntAnswer("Enter Unit 2: ");  
 t1 = util.getIntAnswer("Enter Term: ");  
  
 Student s = new Student(sName, sYear, sCourse, sSubject);  
 System.*out*.println(" ");  
  
 System.*out*.println(t.gettName());  
 System.*out*.println(t.gettDept());  
 System.*out*.println(s.getStudName());  
 System.*out*.println(s.getStudYear());  
 System.*out*.println(s.getStudCourse());  
 System.*out*.println(s.getStudCourse());  
  
 Student ave = new Student(q1, q2, q3, u1, u2, t1);  
  
 System.*out*.println(ave.getWeightQuiz());  
 System.*out*.println(ave.getWeightUnit());  
 System.*out*.println(ave.getWeightTerm());  
 System.*out*.println(ave.getRawGrade());  
 System.*out*.println(ave.getGrade());  
 System.*out*.println(ave.Remark());  
  
 }  
}

public class Student {  
 private String studName;  
 private String studYear;  
 private String studCourse;  
 private String studSubj;  
 private int quiz1;  
 private int quiz2;  
 private int quiz3;  
 private int unit1;  
 private int unit2;  
 private int term;  
  
 public Student() {  
 }  
  
 public Student(String studName, String studYear, String studCourse, String studSubj) {  
 this.studName = studName;  
 this.studYear = studYear;  
 this.studCourse = studCourse;  
 this.studSubj = studSubj;  
 }  
  
 public Student(int quiz1, int quiz2, int quiz3, int unit1, int unit2, int term) {  
 this.quiz1 = quiz1;  
 this.quiz2 = quiz2;  
 this.quiz3 = quiz3;  
 this.unit1 = unit1;  
 this.unit2 = unit2;  
 this.term = term;  
 }  
  
 public String getStudName() {  
 return studName;  
 }  
  
 public void setStudName(String studName) {  
 this.studName = studName;  
 }  
  
 public String getStudYear() {  
 return studYear;  
 }  
  
 public void setStudYear(String studYear) {  
 this.studYear = studYear;  
 }  
  
 public String getStudCourse() {  
 return studCourse;  
 }  
  
 public void setStudCourse(String studCourse) {  
 this.studCourse = studCourse;  
 }  
  
 public String getStudSubj() {  
 return studSubj;  
 }  
  
 public void setStudSubj(String studSubj) {  
 this.studSubj = studSubj;  
 }  
  
 public int getQuiz1() {  
 return quiz1;  
 }  
  
 public void setQuiz1(int quiz1) {  
 this.quiz1 = quiz1;  
 }  
  
 public int getQuiz2() {  
 return quiz2;  
 }  
  
 public void setQuiz2(int quiz2) {  
 this.quiz2 = quiz2;  
 }  
  
 public int getQuiz3() {  
 return quiz3;  
 }  
  
 public void setQuiz3(int quiz3) {  
 this.quiz3 = quiz3;  
 }  
  
 public int getUnit1() {  
 return unit1;  
 }  
  
 public void setUnit1(int unit1) {  
 this.unit1 = unit1;  
 }  
  
 public int getUnit2() {  
 return unit2;  
 }  
  
 public void setUnit2(int unit2) {  
 this.unit2 = unit2;  
 }  
  
 public int getTerm() {  
 return term;  
 }  
  
 public void setTerm(int term) {  
 this.term = term;  
 }  
  
  
 public double getWeightQuiz() {  
 double weightedQ;  
 weightedQ = (quiz1 + quiz2 + quiz3)/100 \*0.30 \* 100;  
 return weightedQ;  
 }  
 public double getWeightUnit() {  
 double weightedU;  
 weightedU = (unit1 + unit2)/100 \*0.40 \* 100;  
 return weightedU;  
 }  
 public double getWeightTerm() {  
 double weightedTerm;  
 weightedTerm = (term)/100 \*0.40 \* 100;  
 return weightedTerm;  
 }  
 public double getRawGrade() {  
 double grd;  
 grd = getWeightQuiz() + getWeightUnit() + getWeightTerm();  
 return grd;  
 }  
 public double getGrade() {  
 double fgrd;  
 if (getRawGrade()>=98 && getRawGrade()<=100) {  
 fgrd = 1.00;  
 }else if (getRawGrade()>=91 && getRawGrade()<=97) {  
 fgrd = 1.25;  
 }else if (getRawGrade()>=85 && getRawGrade()<=90) {  
 fgrd = 1.50;  
 }else if (getRawGrade()>=79 && getRawGrade()<=84) {  
 fgrd = 1.75;  
 }else if (getRawGrade()>=73 && getRawGrade()<=78) {  
 fgrd = 2.00;  
 }else if (getRawGrade()>=67 && getRawGrade()<=72) {  
 fgrd = 2.25;  
 }else if (getRawGrade()>= 61 && getRawGrade()<=66) {  
 fgrd = 2.50;  
 }else if (getRawGrade()>=55 && getRawGrade()<=60) {  
 fgrd = 2.75;  
 }else {  
 fgrd = 3.00;  
 }  
 return fgrd;  
 }  
  
 public String Remark() {  
 String remark;  
 if (getGrade() > 3.00) {  
 remark = "Failed";  
 } else {  
 remark = "Passed";  
 }  
 return remark;  
  
 }  
}

public class Teacher {  
 private String tName;  
 private String tDept;  
  
 public Teacher() {  
 }  
  
 public Teacher(String tName, String tDept) {  
 this.tName = tName;  
 this.tDept = tDept;  
 }  
  
 public String gettName() {  
 return tName;  
 }  
  
 public void settName(String tName) {  
 this.tName = tName;  
 }  
  
 public String gettDept() {  
 return tDept;  
 }  
  
 public void settDept(String tDept) {  
 this.tDept = tDept;  
 }  
}

import java.util.Scanner;  
  
public class Utils {  
  
 Scanner scanner = new Scanner(System.*in*);  
  
 public Utils() {  
 }  
  
 public String getStringAnswer(String question){  
 System.*out*.println(question);  
 return scanner.nextLine();  
 }  
  
 public int getIntAnswer(String question){  
 System.*out*.println(question);  
 return scanner.nextInt();  
 }  
}

