# 第2次平时作业

package work2;  
  
//学生类  
public class Student {  
  
 String identifier;  
 String name;  
 String className;  
 double chineseGrade;  
 double EnglishGrade;  
 double mathGrade;  
  
 // 无参构造函数  
 public Student(){  
  
 }  
  
 /\* 类构造函数 \*/  
 public Student(double chiGra,double EngGra,double mathGra){  
 this.chineseGrade = chiGra;  
 this.EnglishGrade = EngGra;  
 this.mathGrade = mathGra;  
 }  
  
 /\* 计算成绩平均值函数\*/  
 public double getAverageGrade(){  
 double averageGrade = (chineseGrade + EnglishGrade + mathGrade) / 3.0;  
 return averageGrade;  
 }  
}

package work2;  
  
import java.util.Scanner;  
  
// 老师类  
public class Teacher {  
  
 String identifier;  
 String name;  
 String job;  
 String department;  
  
 // 默认无参构造函数  
 public Teacher(){  
  
 }  
  
 // 方法用以计算学生数组中每个学生的平均成绩  
 public void getAndPrintAllStuGrades(Student[] students){  
 int i = 0 ;  
 for(Student student : students){  
 i ++;  
 double averageGrade = (student.chineseGrade+student.EnglishGrade+student.mathGrade)/3.0;  
 System.*out*.println("the student "+i+"'s averageGrade is "+averageGrade);  
 }  
 }  
  
 // 读入数据，实例化对象，调用API  
 public static void main(String[] args) {  
 // 新建指向  
 Student[] students = new Student[10] ;  
 Scanner myGet = new Scanner(System.*in*);  
 // 读入数据  
 System.*out*.println("please enter the students' grades,\n" +  
 "then I will give those averages.");  
 for (int i = 0 ; i < 10 ; i ++) {  
 double chineseGrade = myGet.nextDouble();  
 double EnglishGrade = myGet.nextDouble();  
 double mathGrade = myGet.nextDouble();  
 // 新建对象  
 students[i] = new Student(chineseGrade,EnglishGrade,mathGrade);  
 }  
 Teacher teacher = new Teacher();  
 // 调用teacher类方法  
 teacher.getAndPrintAllStuGrades(students);  
 }  
}