

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);
}
}

```