Class Student

Public class Student

For the realization of students' basic information record and score investigation and display

Method Summary

Modifier and Type	Method and Description
void	**enterBasicInfo**(Student student) include student information through keyboard input
void	**averageCal**() Calculate the average mark of students
void	**passCal**() Counts how many students pass or fail the exam
void	**getAllData**() Acquire all data of students
String	**toString**() Returns a String object representing this Student's value.

Method Detail

enterBasicInfo

```java
public void enterBasicInfo(Student student){
        studentsArray.add(student);

        Scanner sc = new Scanner(System.in);
        System.out.println("Please,enter the student id");
        this.studentID = sc.nextInt();
        System.out.println("Please,enter the student name");
        this.studentName = sc.next();
        System.out.println("Please,enter the student mark");
        this.studentMark = sc.nextDouble();
    }
```

averageCal

```java
public static void averageCal(){
        double result = 0.0;
        for(Student i: studentsArray){
            result = result+i.studentMark;
        }
        System.out.println("The average mark of student is "+Math.round(result/studentsArray.size()*100)/100.0);
    }
```

passCal

```java
public static void passCal(){
        int countPass = 0;
        for (Student i: studentsArray){
            if(i.studentMark >= 50)
                countPass++;
        }
        System.out.println("The number of student who pass the test is "+countPass);
        System.out.println("The number of student who didn't pass the test is "+(studentsArray.size()-countPass));
    }
```

getAllData

```java
public static void getAllData(){
    for(Student i: studentsArray){
        System.out.println(i.toString());
    }
}
```

toString

```java
public String toString() {
    return "Student{" +
        "studentID=" + studentID +
        ", studentName='" + studentName + '\"' +
        ", studentMark=" + studentMark +
        '}';
}
```