

Lab Goal : This lab was designed to teach you more about arrays of references.

Lab Description : You will create a Grades class to store grades. Then, you will create a Student class to store student name and grade information. Also, you will create a Class class to store class information. A Class will contain an array of Student and a Class name.

Class Student :

```
public class Student implements Comparable<Student>
{
    private String myName;
    private Grades myGrades;

    //constructors

    //set methods

    //get methods

    public int compareTo(Student param){
        return 0;
    }

    public boolean equals(Object obj){
        return false;
    }

    //toString
}
```

Files Needed ::

Grades.java
GradesTester.java
Student.java
StudentTester.java

Sample Input(StudentTester.java) :

See the main of StudentTester.java.

Sample Output :

```
Billy Bob = 90.0 85.0 95.5 77.5 88.0
sum = 436.0
average = 87.2
average after dropping low grade = 89.625
low grade = 77.5
high grade = 95.5
```

```
Sally Sue = 100.0 100.0 99.0
sum = 299.0
average = 99.66666666666667
average - low = 100.0
low grade = 99.0
high grade = 100.0
```

```
-1
1
0
```