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 Class:

```
public class Class
 private String name;
 private Student[] studentList;
 //constructors
  public void addStudent(int stuNum, Student s) {
 public String getClassName() {
   return "";
  public double getClassAverage() {
   return 0.0;
 public double getStudentAverage(int stuNum) {
   return 0.0;
 public double getStudentAverage(String stuName) {
   return 0.0;
 public String getStudentName(int stuNum) {
   return "";
  public String getStudentWithHighestAverage() {
   return "";
 public String getStudentWithLowestAverage() {
   return "";
 public String getFailureList(double failingGrade) {
   return "";
  //toString
```

Sample Input(ClassTester.java):

See the main of ClassTester.java.

Sample Output:

```
Comp Sci 1
Jimmy = 100.0 90.0 80.0 60.0 82.50
Sandy = 100.0 100.0 80.0 70.0 87.50
Fred = 50.0 50.0 70.0 68.0 59.50
Jimmy's average = 82.50
Sandy's average = 87.50
Fred's average 59.50
Sandy's average 87.50
Failure List = Fred
Highest Average = Sandy
Lowest Average = Fred
Class Average = 76.50
```

Files Needed ::

Grades.java
GradesTester.java
Student.java
StudentTester.java
Class.java
ClassTester.java