

COP 2337C Lab 1

25 points

Arrays / Parallel Arrays

file name: **lab1part1.java**

1. Declare the following parallel arrays in `main()`:

```
boolean[] isPassing = new boolean[100];  
double[] scores = new double[100];
```

2. (6 points)

Write a method with the following prototype:

```
public static int getData(double scores[])
```

The method should accept **scores** as a parameter and should read the contents of **"lab1data.txt"** to populate into the **scores** array while keeping a running count of the number of values stored in the array. This value should be returned.

NOTE 1: There are between 1 and 100 values in **lab1data.txt**. You do not know exactly how many.

NOTE 2: After calling this method, `main()` will need the filled array and the length.

3. (6 points)

Write a method with the following prototype:

```
public static void processPass(boolean[] passing, double[] scores, int length)
```

The method should accept **passing**, **scores**, and **length** as parameters and should set the elements of **passing** to **true** whenever the parallel value of **scores** is 60 or above.

4. (3 points)

Test your methods in `main()`. Include output to test your methods.