

Lab 10

An Above Average Summer

Objective:

Write a program that takes in temperatures for 10 days and stores it in an array. Find the average temperature for those 10 days, and then print the number of days and the temperatures that were above average.

Example Dialog:

Welcome to the above average temperature tester program.

```
Please enter the temperature for day 1
97.0
Please enter the temperature for day 2
87.0
Please enter the temperature for day 3
85.0
Please enter the temperature for day 4
76.0
Please enter the temperature for day 5
83.0
Please enter the temperature for day 6
104.0
Please enter the temperature for day 7
78.0
Please enter the temperature for day 8
76.0
Please enter the temperature for day 9
90.0
Please enter the temperature for day 10
85.0
```

```
The average temperature was 86.1
The days that were above average were
Day 1 with 97
Day 2 with 87
Day 6 with 104
Day 9 with 90
```

DONE!

Lab Questions:

1. Draw a flow chart to solve this problem in the proposed solution section.
2. Are arrays able to change size as in grow or shrink length?
3. What is the last valid index in an array with a given length?

Finally:

Upload the .java file to the dropbox