Weather Calculator

Purpose

Test the ability to create, populate, and utilize data in arrays. ArrayLists and HashMaps may not be used in this practice problem.

Directions

PART A (Due by end of first lab session)

Create a **minimum** of the following method stub, fill in the `javadoc` block tags, and implement the method's behavior per the method descriptions:

```
/**
* Averages the numbers in an array
* @param
* @return
*/
public static double findAverage(int[] nums){
    return 0;
}
```

In your `main` method, prompt the user for a number of days. Based on the number of days, create an array that stores the morning temperature for each day. Populate the array with data provided by the user.

Compute and display the average temperature in the morning across all days.

Temperatures will be given and displayed in whole number values.

PART B

Edit your code to create arrays that store the noon, and night temperature for each day as well. Populate the arrays with data provided by the user.

Now, compute and display the average temperature of each day and the average temperatures at morning, noon, and night across all days.

You are not required to use the same method you used for Part A, but a method *must* be used to compute the averages.

Examples

```
How many days of data? 2
Day 1
Enter morning temp: 56
Enter noon temp: 72
Enter night temp: 64
Day 2
```

```
Enter morning temp: 60
Enter noon temp: 70
Enter night temp: 32

---Average Report---
Day 1 average is: 64
Day 2 average is: 54
Morning average for all days: 58
Noon average for all days: 71
Night average for all days: 48
```

Rubric:

```
[/1] Documentation

[/1] Part A correct

[/1] Part B correct
```