Lab Report 12

# Problem

We need to have the user enter seven values as the gas prices per each day, then put them into an array, calculate the average of them, and then find out what days go over the average.

# Proposed Solution

Start

Have the user enter the values for each index in the array. Add each value into the “sum” variable

Divide the sum variable by 7 in order to get the average

Print the average

Check each value and see if they are greater than the average, print out any values in the array that are greater than the average

End

# Tests and Results

I tested this code several times and it functions properly.

# Problems Encountered

I ran into a problem trying to set up the for loops because the function <= doesn’t work with myArray.length.

# Conclusions and Discussion

You could use different kinds of loops to solve this problem.

# Additional Questions

1. In the proposed solution section, draw a flow chart to represent your solution.

2. What is wrong with the code below? Explain and, rewrite the correct code. double[ ] m = new double[4];

for(int i = 1; i <= m.length; i++) //Once the loop goes past 4, an error would be given

{

m[i] = 3\* i;

}

Rewritten code:

double[ ] m = new double[4];

for(int i = 0; i < m.length; i++)

{

m[i] = 3\* (i+1);

}