Lab Report 13

# Problem

We need to create a program that will let the user add values to two matrices of sizes they pick to subtract the two matrices.

# Proposed Solution

Start

Have the user enter the size of the columns and rows for the two arrays

Are the rows of each matrix equal and are the columns of each matrix equal?

Yes?

Continue with the program

No?

Exit Program

Have the user populate the matrixes

Subtract the matrices

Print out the subtracted matrix

End

# Tests and Results

I tested the program with the example and with my own values along with different sizes and it worked fine.

# Problems Encountered

I had problems having the program function with only one column, but I fixed it by changing the conditions of the for loops.

# Conclusions and Discussion

Another way to do the for loops could be to make more nested loops to calculate the values separately.

# Additional Questions

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

2. What is a ragged array? A two-dimensional array in which each row may have a different length.