

Activity 1

For this assignment I would like you to do two tasks. The first task is to ask the user to enter their first and last name. I would like you to display their name in three ways. The first way will be in all uppercase. The second in all lowercase. The third is in reverse.

The second task is to write a class that will ask the user to enter in two numbers to add, subtract, multiply, divide, square root, power and logarithm. Then you will display the numbers that the user input and the sum of each operation that was performed.

I want you to use both Scanner and the dialog box for each task.

When commenting I would like you to use this format:

```
//*****
//          Assignment #1
//          Name: John Doe
//          Data Structures Date: Date of Submission (M/D/Y)
//*****
//      Place your general program documentation here. It should
//      be quite a few lines explaining the programs duty carefully.
//      It should also indicate how to run the program and data
//      input format, filenames etc
//*****

//*****
//          FOR ALL CLASSES Class Name::MethodName()
//      Parameters: List them here and comment
//      A discussion of what the method/function does and required
//      parameters as well as return value.
//*****
```