

CS 1050 – Prelab 2

Purpose:

- Use conditional statements e.g. if, else, else if
- Implement simple arithmetic operations in C i.e. addition and multiplication
- Complete the pre-lab before coming to class! It will give you a head start on the topics covered in next week's lab.

Summary:

For this lab assignment, you will:

- Read in integer numbers from the user
- Check that each number is nonnegative (≥ 0)
You can assume the user will only input a negative number once.
- Perform addition and multiplication operations on these numbers
- Print the results

Description:

First you must ask the user for an integer number (We did this in lab 1; do you remember? Check your code if not...). Perform one check to ensure that it is nonnegative. If it is a negative number, ask the user for a new number. Otherwise, add these two numbers together and print (We also did this in lab 1...) their sum. Next, perform the multiplication operation on these two numbers and print the results.

Sample Output:

(Characters in **BOLD** are inputs from the user)

TEST 1

Enter the first number: **5**

Enter the second number: **9**

ADDITION

The sum of 5 and 9 is 14.

MULTIPLICATION

The product of 5 and 9 is 45.

TEST 2

Enter the first number: **-5**

No negative numbers please!

Enter a new value: **9**

Enter the second number: **-88**

No negative numbers please!

Enter a new value: **45**

ADDITION

The sum of 9 and 45 is 54.

MULTIPLICATION

The product of 9 and 45 is 405.