**ITCS 1212L – Postlab 5**

**It is recommended that you write your program in codeblocks and then copy and paste the code and submit it.**

1. (20 Points) Write a function named times\_N. The function should gets 2 integer parameters named number and N. When times\_N is called, it should display the product of number times N. Make sure to test this function with different numbers in the main().
2. (20 Points) Write a new function named times\_N2. Again, this function also gets 2 integer parameters named number and N. When times\_N2 is called, it should display the product of number times N. However, N will be doubled upon return. Make sure to test this function with different numbers in the main().
3. (20 Points) Write a function called compute which takes in three parameters- an integer quantity, a double price, and a double for salesTax, and returns the totalSales (product of quantity and price), totalTax (sales tax assigned to totalSales), and total as the sum of totalTax and salesTax. Make sure to include the main() that tests this function.
4. a) (10 Points) What is the output of the following program:

#include <iostream>

using namespace std;

void myFunc1(int var) {

var = 50;

cout << var << endl;

}

void myFunc2(int &var) {

var = 50;

cout << var << endl;

}

int main() {

int var = 100;

myFunc1(var);

cout << var << endl;

myFunc2(var);

cout << var << endl;

return 0;

}

1. b) (10 points) Add a new function void myFunc3(int m, int &n) which gets two variables m and n and will return the sum of the two numbers. Make sure to test it in main().

1. (20 Points, 5 points each)
   1. Values that are sent into a function are called \_\_\_\_\_\_\_\_.
   2. If a function doesn’t return a value, the word \_\_\_\_\_\_\_\_\_ will appear as its return type.
   3. **True / False**: Functions should be given names that reflect their purpose.
   4. **True / False**: Function prototypes are terminated with a semicolon.