CS1428 Quiz 4

# Name: Section:

1. (20 pts) Write a void function named **mult**. The function should have an **integer** parameter named ***a*** and an **integer** parameter named ***b***. When **mult** is called, it should calculate and return the product of ***a*** and ***b****.*
2. (20 pts) What will be displayed by the following program after the user enters 5?

#include <iostream>

using namespace std;

void firstFunction()

{

cout << “Within the first function\n”;

}

void secondFunction()

{

cout << “Within the second function\n”;

}

int main()

{

int input;

cout << “Enter a number: ”;

cin >> input;

if (input < 5)

{

firstFunction();

secondFunction();

}

else

{

secondFunction();

firstFunction ();

}

return 0;

}

1. (20pts) Assume that the Arrays **firstArray** and **secondArray** have been declared and that both arrays have 50 elements each. Write C++ code segment that copies the values in **firstArray** to **secondArray**.
2. (20pts) The following program asks the user to enter two numbers. What is the output of the program if the user enters 12 and 14?

(**warning:** DO **NOT** RUN THIS PROGRAM IN THE COMPUTER. YOU **MUST** HAND TRACE IT TO GET THE OUTPUT.)

#include <iostream>

using namespace std;

void func1(int &, int &);

void func2(int &, int &, int &);

void func3(int, int, int);

int main()

{

int x = 0, y = 0, z = 0;

cout << x << “ “ << y << “ “ << z << endl;

func1(x, y);

cout << x << “ “ << y << “ “ << z << endl;

func2(x, y, z);

cout << x << “ “ << y << “ “ << z << endl;

func3(x, y, z);

cout << x << “ “ << y << “ “ << z << endl;

return 0;

}

void func1(int &a, int &b)

{

cout << “Enter two numbers: ”;

cin >> a >> b;

}

void func2(int &a, int &b, int &c)

{

b++;

c--;

a = b + c;

}

void func3(int x, int y, int z)

{

x = y – z;

}

Output Below:

* 1. (10 pts) State whether the following is a function header or a function call.

1. calculateArea( );
2. void displayArea( );
   1. (10 pts) What does the following code segment display?

for( int j = 0; j < 1; ++j )

{

cout << “I love free points!”

}