Activity C5 slo 2 activity 3

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Header file

The libraries I used are as follows:

#ifndef RETURNTWONUMBERS.H //if not defined

#define RETURNTWONUMBERS\_H // defined

#include <iostream>

#include <iomanip>

#include <string>

#include <cmath>

#include<ctime>

Prototypes:

using namespace std;

void Writeheader();

int AskForTwoNumbers(int num1, int num2);

int FindBigOne(int num1, int num2, int bigone);

string GoAgain();

endif statement

function.cpp

#include "ReturnTwoNumbers.h" //this ensures all my pages are linked

void Writeheader()

{ // this function is my header and lists the purpose of my program

cout << "Hello my name is Jamie \n";

cout << "This program asks for two numbers and tells you which one is bigger then the other \n";

}

int AskForTwoNumbers(int num1, int num2)

{ // this function asks user to input two integers

cout << "Please enter two integers not including zeros separated by a comma :) \n";

cin >> num1, num2;

cout << "You entered: " << num1 << "and " << num2 << endl;

return (num1, num2);

}

int FindBigOne(int num1, int num2, int bigone)

{ //This function determines which number is larger

if (num1 > num2)

{

num1 = bigone;

cout << "The larger number is: " << bigone << endl;

}

else if (num2 > num1)

{

num2 = bigone;

cout << "The larger nunber is: " << bigone << endl;

}

else if (num1 == num2)

{

cout << "These numbers are equal \n";

}

else

{

cout << "Invalid entry please try again. \n";

}

return 0;

}

string GoAgain()

{ //this function asks user if they want to go again

string answer;

cout << "Would you like to try another set of numbers? yes or no? \n";

getline(cin, answer);

if (answer == "yes")

{

int num1;

int num2;

int bigone;

AskForTwoNumbers(num1, num2);

FindBigOne(num1, num2, bigone);

GoAgain();

}

else

{

cout << "Thank you for using our program, see you next time! :) \n";

}

return answer;

}

Main

This is how the program should operate from top to bottom

#include "ReturnTwoNumbers.h" // included to make sure connections are made

Local variables

int num1;

int num2;

int bigone;

int& a = num1;

int& b = num2;

// run through program functions

Writeheader();

AskForTwoNumbers( num1, num2);

FindBigOne(num1,num2, bigone);

//then I display my use of references which are aliases for my variables.

cout << "These numbers are using references for my integers \n";

if (num1 > num2)

{

num1 = bigone;

cout << "The larger number is: " << &a << endl;

}

else if (num2 > num1)

{

num2 = bigone;

cout << "The larger nunber is: " << &b << endl;

}

else if (num1 == num2)

{

cout << "These numbers are equal \n";

}

else

{

cout << "Invalid entry please try again. \n";

}

GoAgain();