//**04-04** Program to demonstrate misuse of call-by-reference parameters.

#include <iostream>

#include <conio.h>

using namespace std;

void getNumbers(int& input1, int& input2);

//Reads two integers from the keyboard.

void swapValues(int variable1, int variable2); *// should be using &*

//Interchanges the values of variable1 and variable2.

void showResults(int output1, int output2);

//Shows the values of variable1 and variable2, in that order.

int main( )

{

int firstNum, secondNum;

getNumbers(firstNum, secondNum);

swapValues(firstNum, secondNum);

showResults(firstNum, secondNum);

\_getch();

return 0;

}

void swapValues(int variable1, int variable2)

{

int temp;

temp = variable1;

variable1 = variable2; // local variables, modified witrhos f. body scope only

variable2 = temp;

}

void getNumbers(int& input1, int& input2)

{

cout << "Enter two integers: ";

cin >> input1 //5

>> input2; //6

}

void showResults(int output1, int output2)

{

cout << "In reverse order the numbers are: "

<< output1 << " " << output2 << endl; //5 6 no swap

}