//Program to demonstrate call-by-reference parameters.

#include <iostream>

void get\_numbers(int& input1, int& input2);

//Reads two integers from the keyboard.

void swap\_values(int& varirable1, int& variable2);

//Interchanges the values of variable1 and variable2.

void show\_results(int output1, int output2);

//Shows the values of variabl1 and variable2, in that order.

int main()

{

int first\_num = 0, second\_num = 0;

get\_numbers(first\_num, second\_num);

swap\_values(first\_num, second\_num);

show\_results(first\_num, second\_num);

return 0;

}

//Uses iostream:

void get\_numbers(int& input1, int& input2)

{

using namespace std;

cout << "Enter two integers: ";

cin >> input1

>> input2;

}

void swap\_values(int& variable1, int& variable2)

{

int temp;

temp = variable1;

variable1 = variable2;

variable2 = temp;

}

//Uses iostream:

void show\_results(int& output1, int& output2)

{

using namespace std;

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

<< output1 << " " << output2 << endl;

}