

SWAP.CPP source

```
/*
 * Write a program to swap two variables with the help
 * of a user defined function
 */

#include <iostream>
using namespace std;

/*
 * swap is a function which accepts two variables
 * passed by reference
 */
void swap(int& var1, int& var2) {
    int temp = var1;
    var1 = var2;
    var2 = temp;
}

int main() {

    //define two variables
    int var1,var2;

    //read values from user
    cout<<"Enter the values of variables:"<<endl;
    cout<<"var1=";
    cin>>var1;
    cout<<"var2=";
    cin>>var2;

    //call the swap function
    swap(var1,var2);

    //output the new values
    cout<<"New values:"<<endl;
    cout<<"var1="<<var1<<endl;
    cout<<"var2="<<var2<<endl;

    //Tell OS that everything is ok
    return 0;
}
```

SWAP.CPP output

Enter the values of variables:

var1=10

var2=100

New values:

var1=100

var2=10