

Call the function by pointer in C ++

The method of calling a function by pointer in C ++ passes parameters to a function, copying the addresses of a parameter into the official parameter. Inside the function, this address is used to access the actual parameter used in the function call. That is, changes made to the official parameter affect the passed parameter.

The method of **calling a function by pointer** in C ++ passes parameters to a function, copying the addresses of a parameter into the official parameter. Inside the function, this address is used to access the actual parameter used in the function call. That is, changes made to the official parameter affect the passed parameter.

To pass values ??by pointers, parameter pointers are passed to functions like any other value. Therefore, you need to declare the function parameters as a pointer type as in the following **traodoi ()** function, which exchanges the values ??of two integer variables pointed by its parameters.

```
// phan dinh nghia ham de trao doi cac gia tri. void traodoi ( int * x , int *
```

To check the details of the cursor in C ++, you access the chapter: [Cursor in C ++](#).

Now, call the **traodoi ()** function by passing the values ??by the pointer as in the following example:

```
#include using namespace std ; // Phan khai bao ham void traodoi ( int * x ,
```

You put the above function definition at the end of this code, then compile and run the above C ++ program will produce the following result:

Picture 1 of Call the function by pointer in C ++

```
Truoc khi trao doi, gia tri cua a la: 100
Truoc khi trao doi, gia tri cua b la: 200
Sau khi trao doi, gia tri cua a la: 200
Sau khi trao doi, gia tri cua b la: :100
-----
```

You should also follow the chapter: [Call the function by value in C ++](#) to compare this difference.

According to Tutorialspoint

Previous lesson: [Calling functions by value in C ++](#)

Next lesson: [Call the function by reference in C ++](#)

You finished reading the article "**Call the function by pointer in C ++**" edited by the [TipsMake](#) team. We hope this article has provided you with many useful tech tips and tricks. You can search for similar articles on tips and guides. Thank you for reading and for following us regularly.

