

```
1 // C++ Program to Swap two numbers using call by reference */
2
3 #include<iostream>
4 using namespace std;
5
6 void swap(int &,int &);
7
8 int main()
9 {
10     int a,b;
11     cout<<"Enter Value Of A :: ";
12     cin>>a;
13     cout<<"\nEnter Value of B :: ";
14     cin>>b;
15
16     cout<<"\nBefore Swapping, Value of :: \n\tA = "<<a<<"\tB = "<<b<<"\n";
17
18     swap(a,b);
19
20     cout<<"\nOutside Function After Swapping, Value of :: \n\tA = "<<a<<"\tB = "<<b<<"\n";
21 }
22
23 void swap(int &a,int &b)
24 {
25     int c;
26     c=a;
27     a=b;
28     b=c;
29     cout<<"\nInside Function After Swapping, Value of :: \n\tA = "<<a<<"\tB = "<<b<<"\n";
30 }
```

input

input

```
Enter Value Of A :: 10
Enter Value of B :: 20
Before Swapping, Value of :: 
    A = 10  B = 20
Inside Function After Swapping, Value of :: 
    A = 20  B = 10
Outside Function After Swapping, Value of :: 
    A = 20  B = 10
...Program finished with exit code 0
Press ENTER to exit console.□
```