AIM : To write a Function in c++ that exchange (Passing by reference) using swapping , interchange given two numbers.

CODING:

```cpp
#include<iostream.h>

#include<conio.h>

#include<string.h>

void swap(int *p1, int *p2)

 {

  int temp;

  temp=*p1;

 *p1=*p2;

 *p2=temp;

 }

void main()

{

  int a, b;

  cout << "Enter two numbers to be swapped : "<< endl;

  cin >> a >> b;

  cout<<"Values before swap :\n";

  cout<<"a = "<<a;

  cout<<endl;

  cout<<"b = "<<b;

  swap(&a, &b);
```

```cpp
    cout<<endl;

    cout << "The two numbers after swapping become :" << endl;

    cout << "Value of a : " << a << endl;

    cout << "Value of b : " << b << endl;

    getch( );
}
```

OUTPUT:

Enter two numbers to be swapped : 20 10

Values before swap :

a = 20

b = 10

The two numbers after swapping become :

Value of a : 10

Value of b : 20