Aim:

Write a C++ program to interchange (swap) two numbers using a function with call by value.

Code :-

```cpp
#include <iostream.h>

#include <conio.h>

// Swap function using call by value

Void swap(int a, int b) {

    Int temp;

    Temp = a;

    A = b;

    B = temp;

    Cout << "\nInside swap function (after swapping):\n";

    Cout << "a = " << a << "\n";

    Cout << "b = " << b << "\n";

}

Void main()

{

    Clrscr();  // Clear screen

    Int num1, num2;

    Cout << "Enter first number: ";

    Cin >> num1;

    Cout << "Enter second number: ";

    Cin >> num2;

    Cout << "\nBefore calling swap function:\n";

    Cout << "num1 = " << num1 << "\n";

    Cout << "num2 = " << num2 << "\n";
```

```cpp
    Swap(num1, num2);  // Call swap using call by value

    Cout << "\nAfter calling swap function:\n";

    Cout << "num1 = " << num1 << "\n";

    Cout << "num2 = " << num2 << "\n";

    Getch();  // Wait for key press

}
```