Aim:

Write a C++ program to **interchange two numbers** using a **user-defined function** `void swap()`.

Code:-

```cpp
#include <iostream.h>

#include <conio.h>

// Function to swap two numbers using call by reference

Void swap(int &a, int &b) {

    Int temp;

    Temp = a;

    A = b;

    B = temp;

}

Void main() {

    Clrscr();  // Clear the screen

    Int num1, num2;

    Cout << "Enter first number: ";

    Cin >> num1;

    Cout << "Enter second number: ";

    Cin >> num2;

    Cout << "\nBefore swapping:\n";

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

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

    Swap(num1, num2);  // Call the swap function

    Cout << "\nAfter swapping:\n";
```

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

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

    Getch();  // Wait for key press
}
```