

ASSIGNMENT 2: functions in C++

DATE: 24/03/2021 Wednesday

CODE:

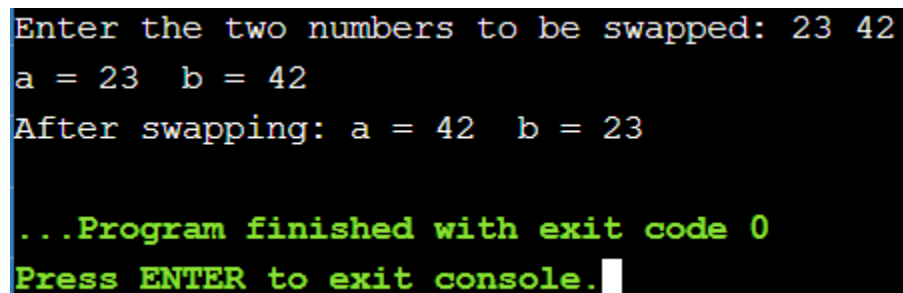
```
#include <iostream>
#include <string>
using namespace std;

void swap(int a, int b) {           //here a and b are formal parameters
    b = a + b;
    a = b - a;
    b = b - a;
    cout<<"\nAfter swapping: ";
    cout<<"a = "<<a;
    cout<<"\tb = "<<b;
    return;
}

int main()
{
    int a,b;
    cout<<"Enter the two numbers to be swapped: "; cin>>a>>b;

    cout<<"a = "<<a;
    cout<<"\tb = "<<b;
    swap(a,b);           //here a and b are actual parameters
}
```

OUTPUT:



```
Enter the two numbers to be swapped: 23 42
a = 23  b = 42
After swapping: a = 42  b = 23

...Program finished with exit code 0
Press ENTER to exit console.█
```