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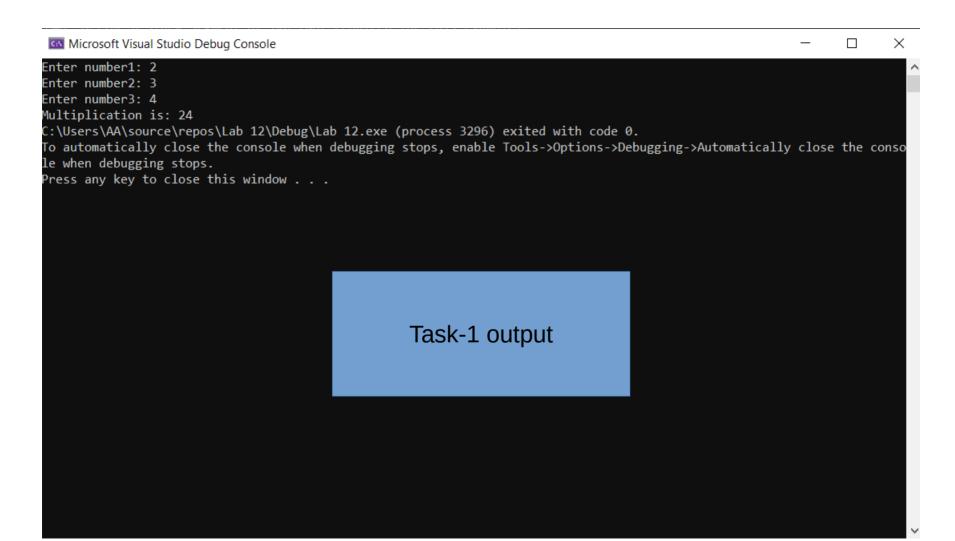
Lab-12 tasks

Task 1 C++ code

```
#include <iostream>
using namespace std;
// extern "C" instruct the compiler to use C calling conventions
extern "C" int Mul3(int,int,int);
int main() {
    int num1, num2, num3, result;
    cout << "Enter number1: ";</pre>
    cin >> num1;
    cout << "Enter number2: ";</pre>
    cin >> num2;
    cout << "Enter number3: ";</pre>
    cin >> num3;
    result = Mul3(num1, num2, num3);
    cout << "Multiplication is: " << result;</pre>
    return 0;
```

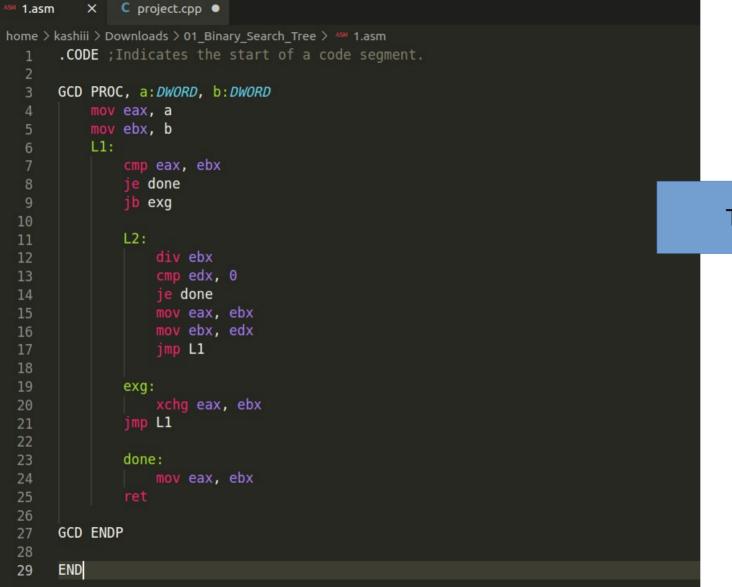
Task 1 C++ Assembly code

```
.CODE ;Indicates the start of a code segment.
Mul3 proc, a:DWORD, b:DWORD, cc:DWORD
    mov eax, a
    mov ebx, b
    mul ebx
    mov ebx, cc
    mul ebx
    ret
Mul3 endp
END
```

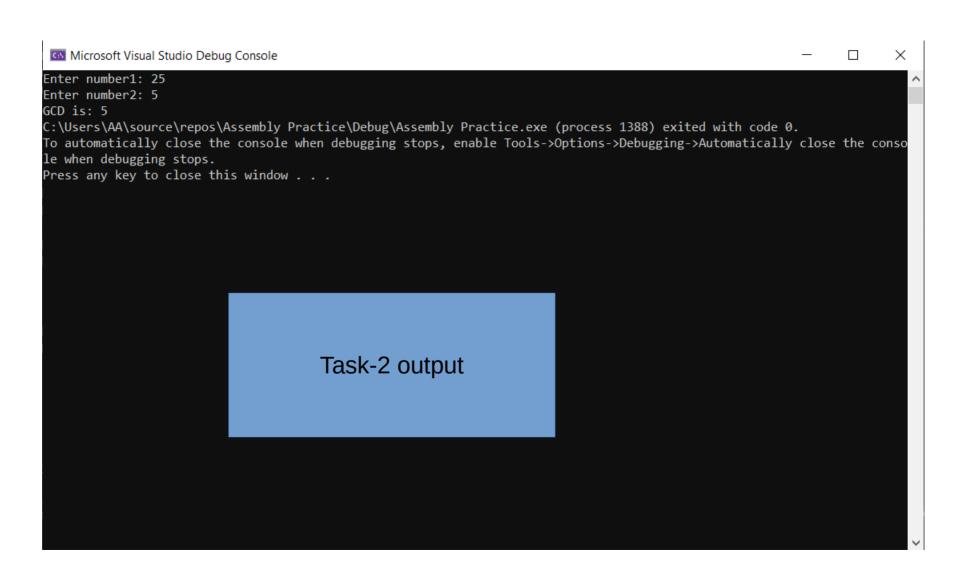


Task 2 C++ code

```
#include <iostream>
using namespace std;
// extern "C" instruct the compiler to use C calling conventions
extern "C" int GCD(int,int);
int main() {
    int num1, num2, result;
    cout << "Enter number1: ";</pre>
    cin >> num1;
    cout << "Enter number2: ";</pre>
    cin >> num2;
    result = GCD(num1, num2);
    cout << "GCD is: " << result;</pre>
    return 0;
```



Task 2 Assembly code



Thank You