Lab 3-1

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compare.h

```cpp
#ifndef COMPARE_H
#define COMPARE_H

int& larger(int a, int b)
{
    if (a >= b) {
        return a;
    }
    else {
        return b;
    }
}

int& largest(int& a, int& b, int& c)
{
    return larger(larger(a, b), c);
}
#endif
```
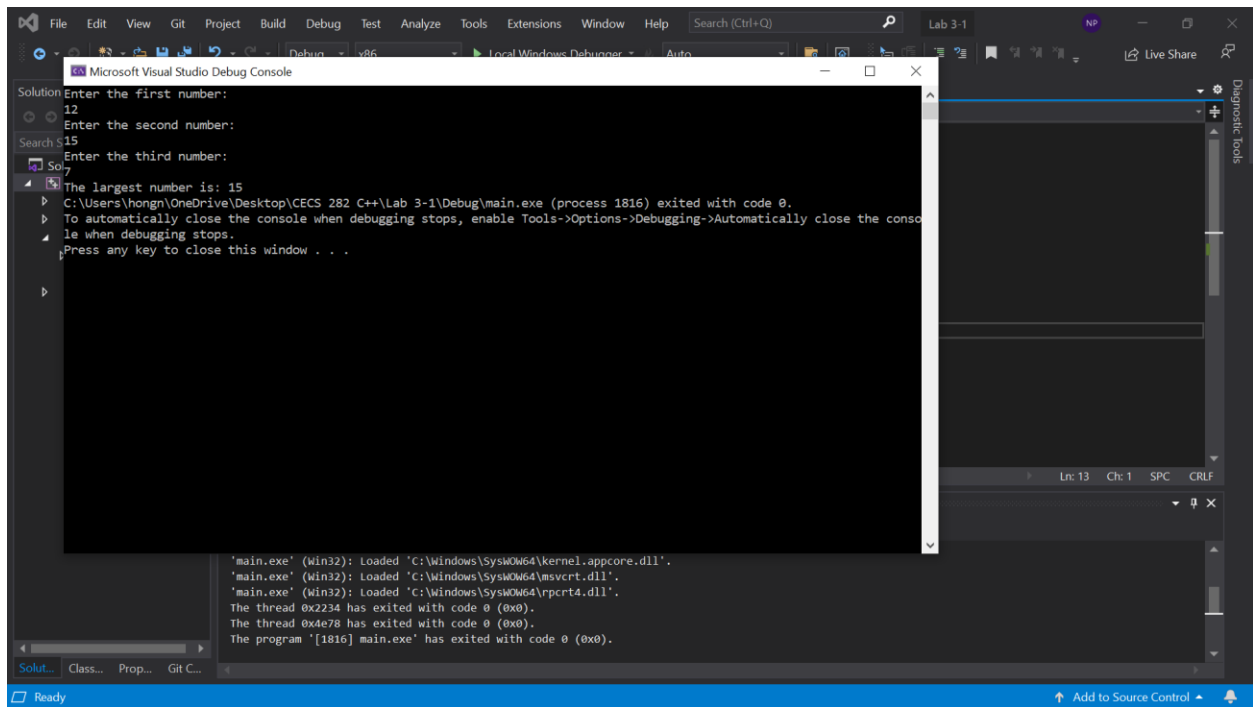
main.cpp

```cpp
#include <iostream>
#include "compare.h"
using namespace std;

int main()
{
    int x, y, z;
    cout << "Enter the first number: \n";
    cin >> x;
    cout << "Enter the second number: \n";
    cin >> y;
    cout << "Enter the third number: \n";
    cin >> z;
    cout << "The largest number is: " << largest(x, y, z);
}
```

Demonstrated at 11:14 am on September, 2nd 2021