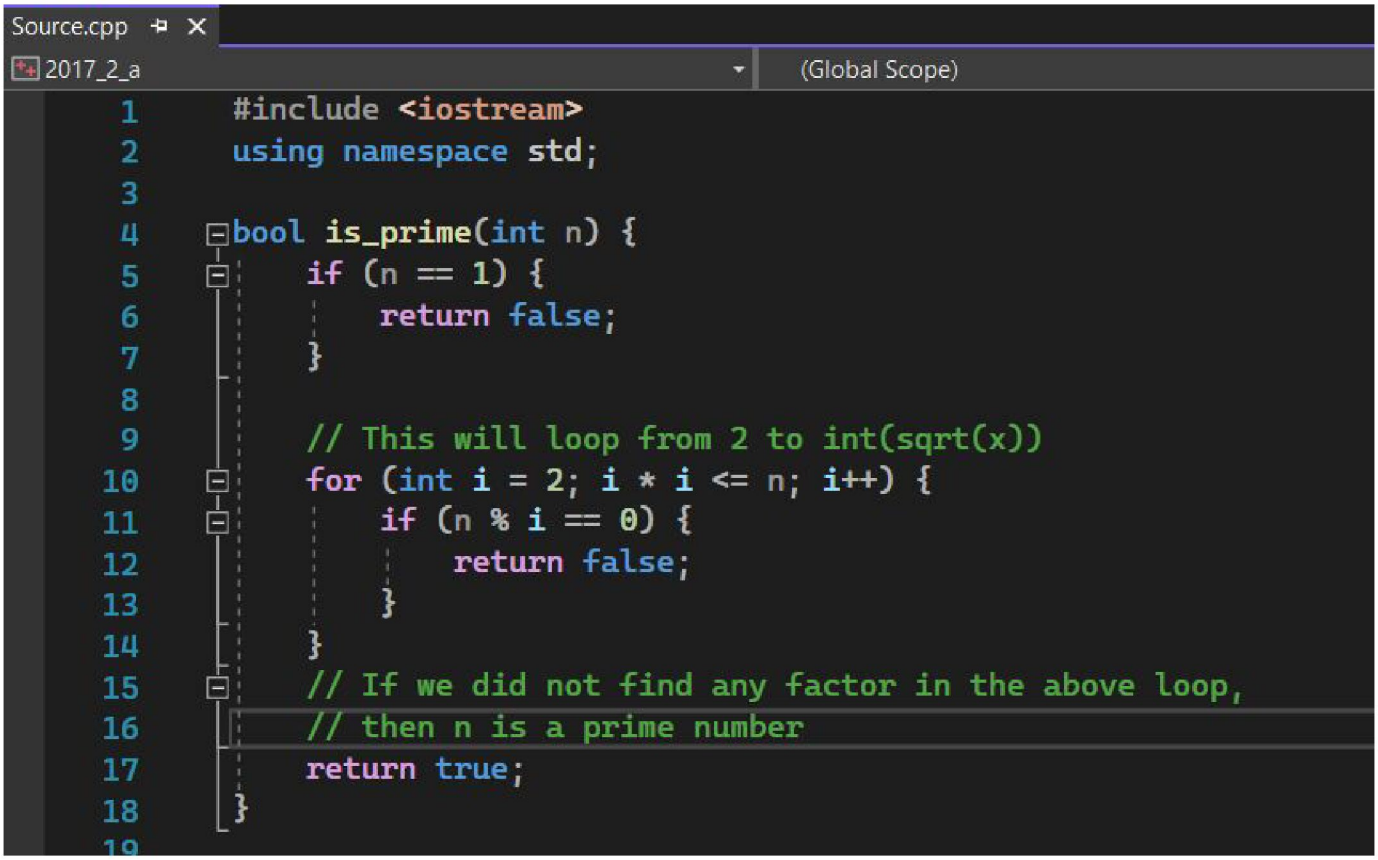
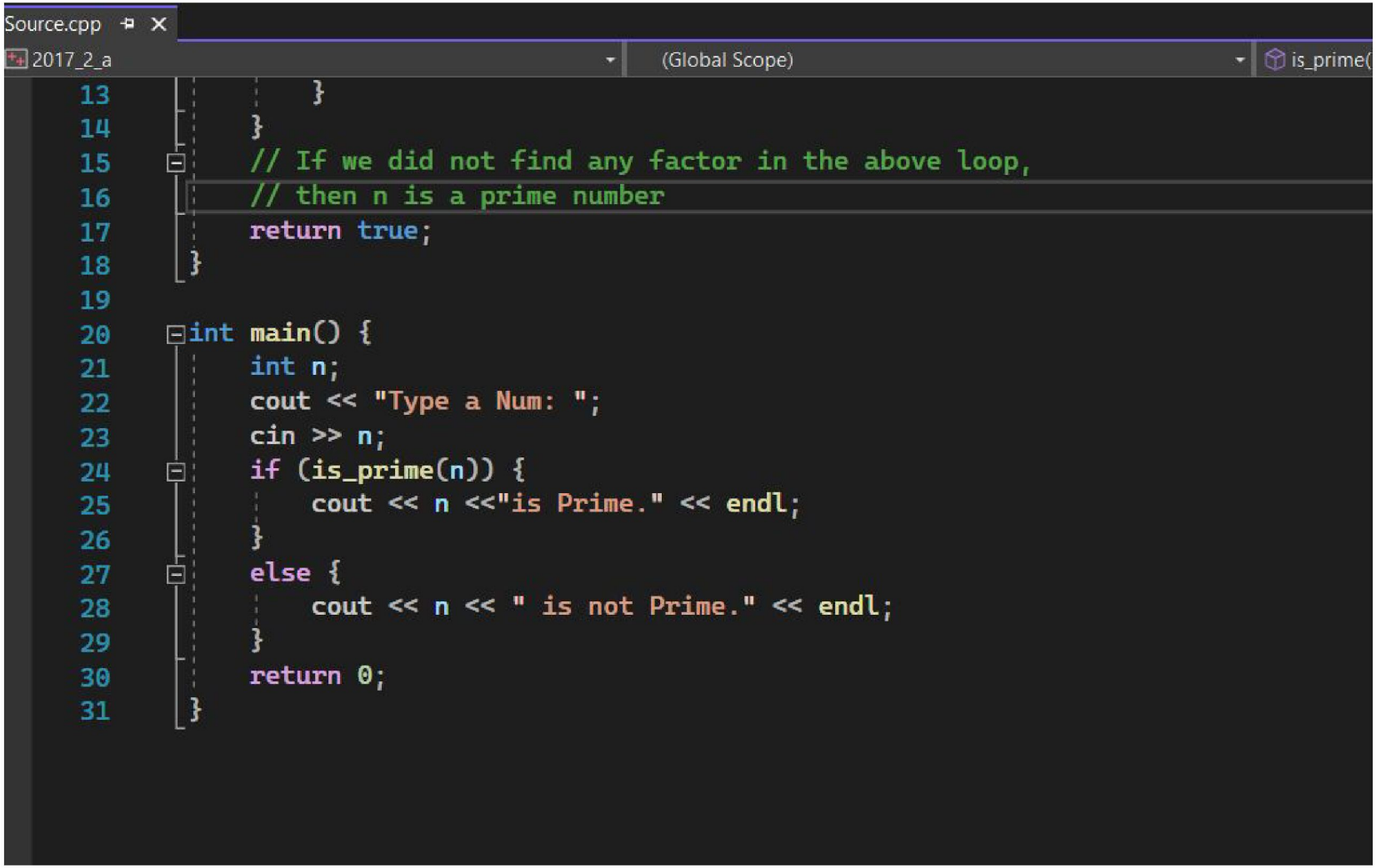
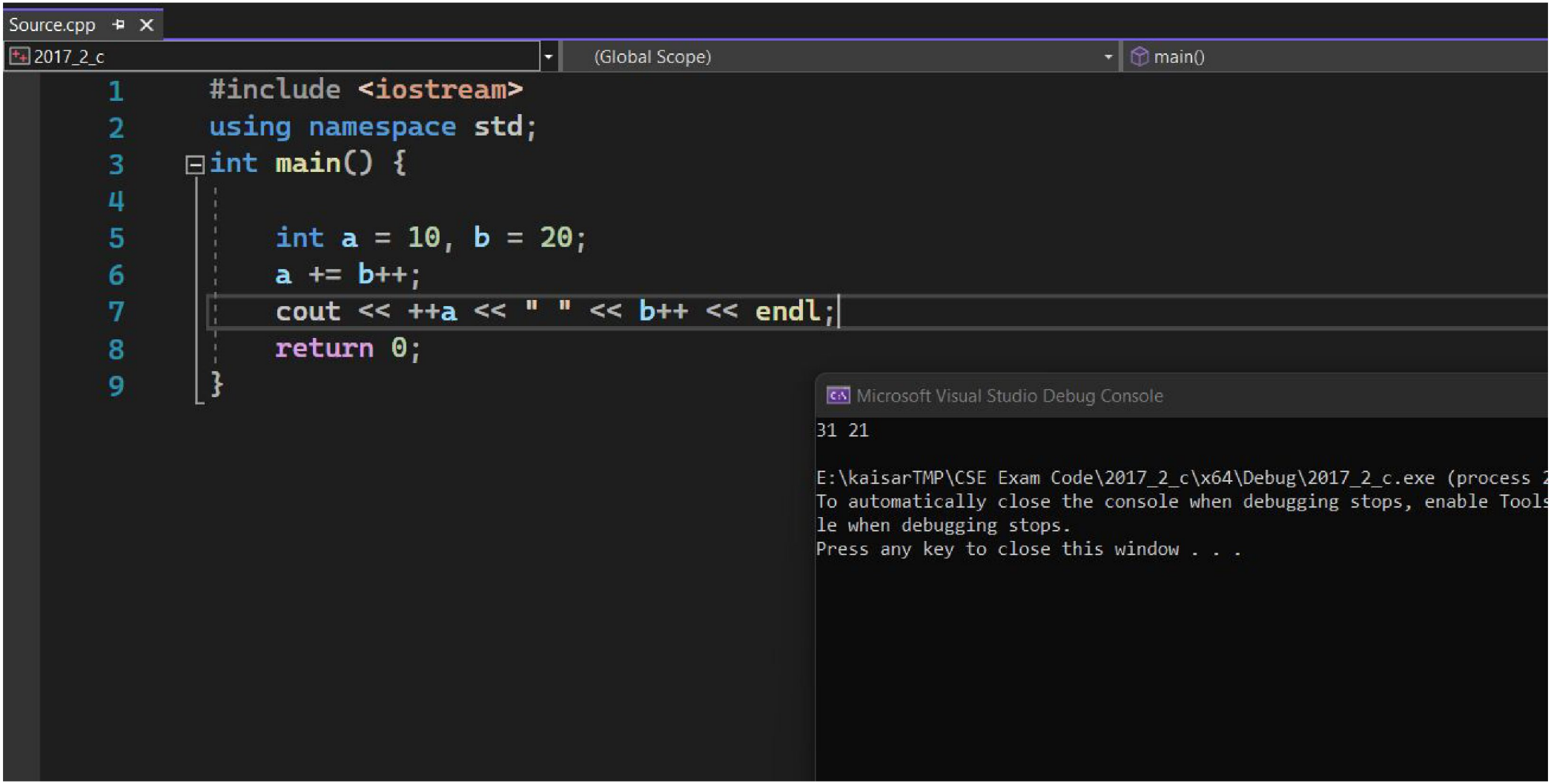
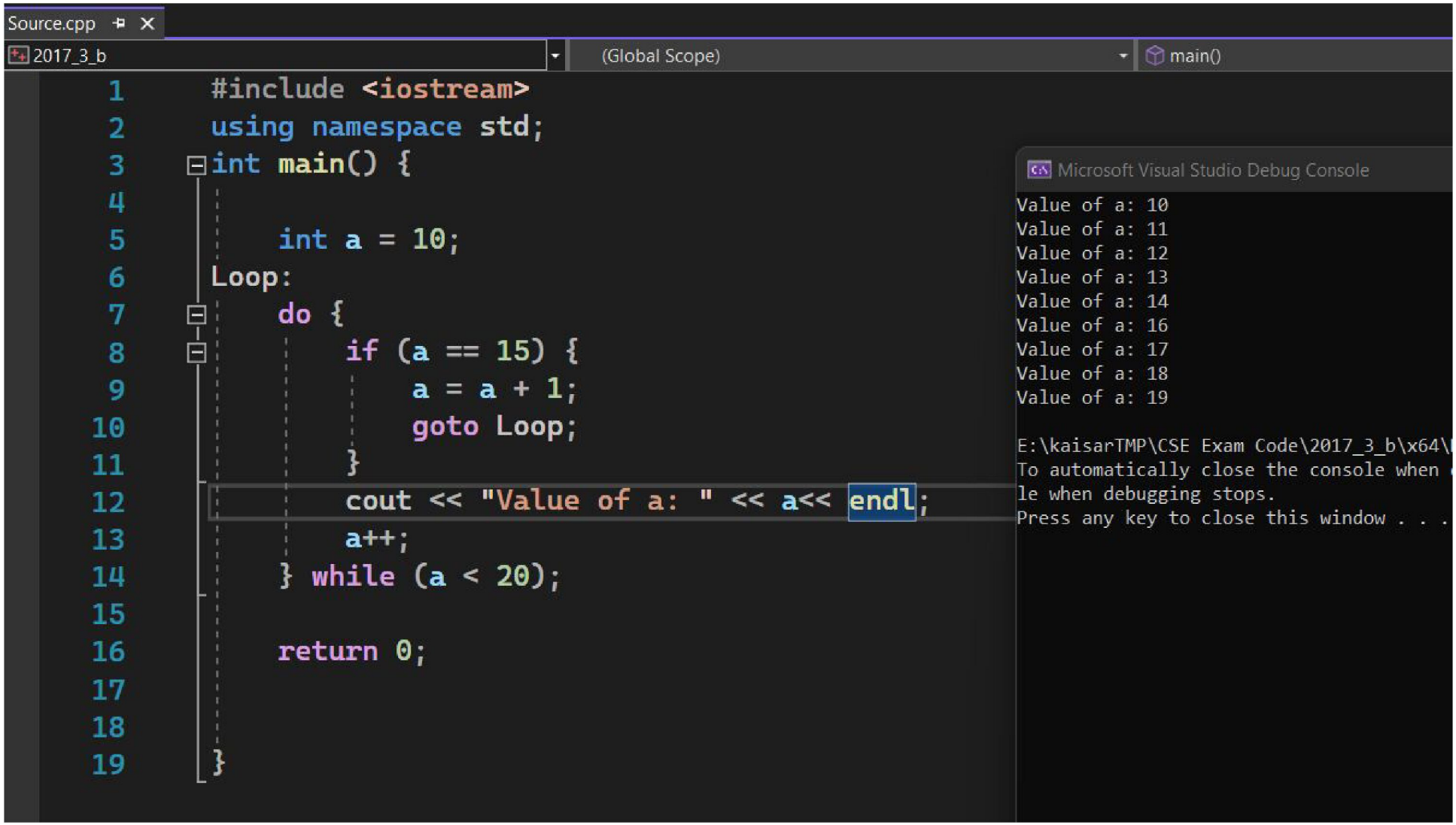

Source.cpp
2017_2_a
(Global Scope)
#include <iostream>
using namespace std;
bool is_prime(int n) {
if (n == 1) {
return false;
}
// This will loop from 2 to int(sqrt(x))
for (int i = 2; i * i <= n; i++) {
if (n % i == 0) {
return false;
}
}
// If we did not find any factor in the above loop,
// then n is a prime number
return true;
}


Source.cpp
2017_2_a
(Global Scope)
is_prime(
13 }
14 }
15 // If we did not find any factor in the above loop,
16 // then n is a prime number
17 return true;
18 }
19
20 int main() {
21 int n;
22 cout << "Type a Num: ";
23 cin >> n;
24 if (is_prime(n)) {
25 cout << n <<"is Prime." << endl;
26 }
27 else {
28 cout << n << " is not Prime." << endl;
29 }
30 return 0;
31 }


Source.cpp
2017_2_c
(Global Scope)
main()
#include <iostream>
using namespace std;
int main() {
int a = 10, b = 20;
a += b++;
cout << ++a << " " << b++ << endl;
return 0;
}
Microsoft Visual Studio Debug Console
31 21
E:\kaisarTMP\CSE Exam Code\2017_2_c\x64\Debug\2017_2_c.exe (process
To automatically close the console when debugging stops, enable Tools
le when debugging stops.
Press any key to close this window . . .


Source.cpp
2017_3_b
(Global Scope)
main()
#include <iostream>
using namespace std;
int main() {
int a = 10;
Loop:
do {
if (a == 15) {
a = a + 1;
goto Loop;
}
cout << "Value of a: " << a<< endl;
a++;
} while (a < 20);
return 0;
}
Microsoft Visual Studio Debug Console
Value of a: 10
Value of a: 11
Value of a: 12
Value of a: 13
Value of a: 14
Value of a: 16
Value of a: 17
Value of a: 18
Value of a: 19
E:\kaisarTMP\CSE Exam Code\2017_3_b\x64\
To automatically close the console when
le when debugging stops.
Press any key to close this window . . .

Source.cpp

2017_4_b

(Global Scope)

```cpp
#include <iostream>
using namespace std;
int main()
{
    int n, r, c, s;

    cout << "Enter number of rows: ";
    cin >> n;
    for (r = n; r >= 1; r--)
    {
        for (s = 1; s <= n - r; s++) cout << " ";
        for (c = 1; c <= r; c++) cout << c <<" ";
        cout << endl;
    }

    return 0;
}
```

Microsoft Visual Studio Debug Console

```
Enter number of rows: 5
1 2 3 4 5
 1 2 3 4
  1 2 3
   1 2
    1

E:\kaisarTMP\CSE Exam Code\2017_4_b\x64\Debug\2017_
To automatically close the console when debugging s
le when debugging stops.
Press any key to close this window . . .
```

Source.cpp

2017_5_b

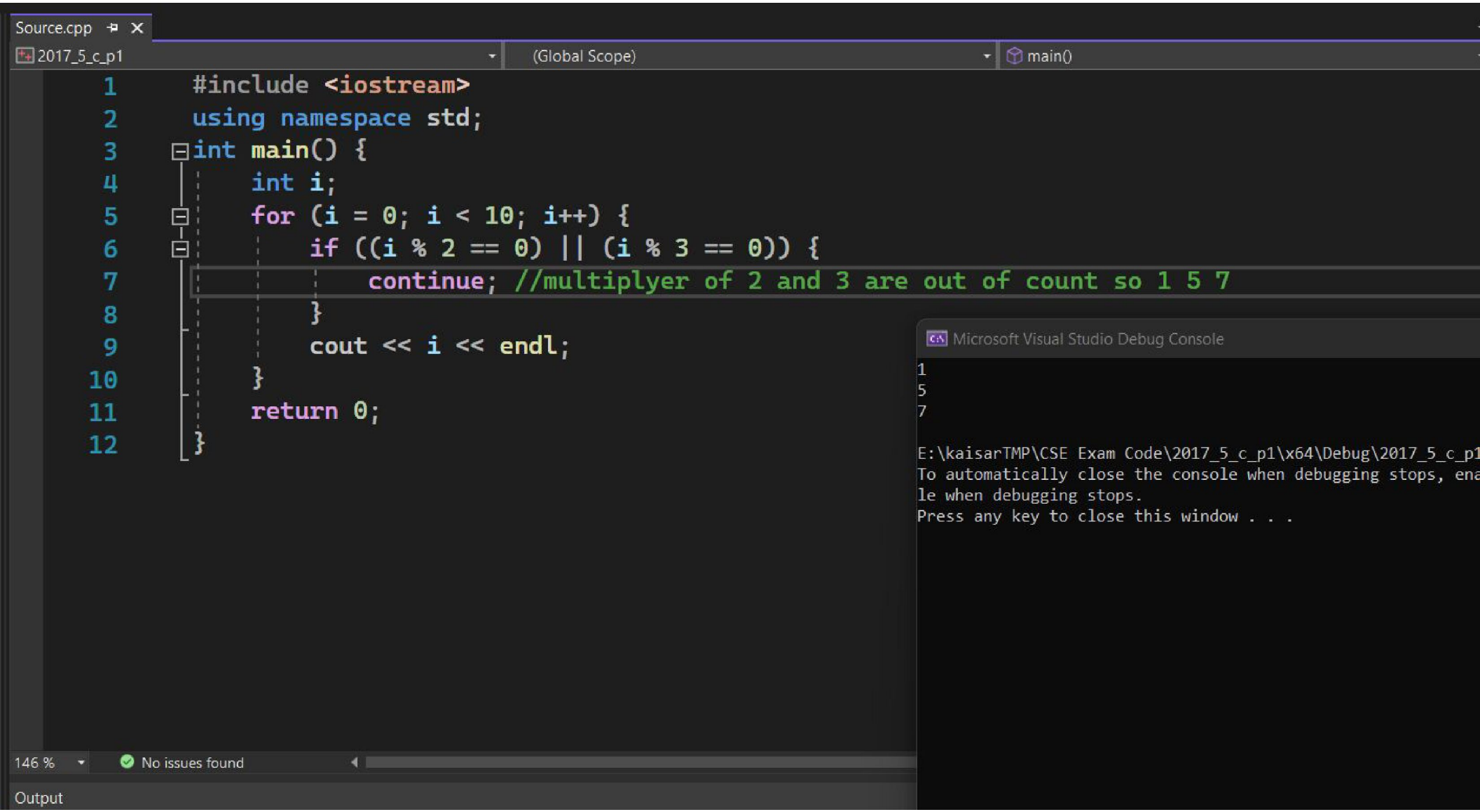
(Global Scope)

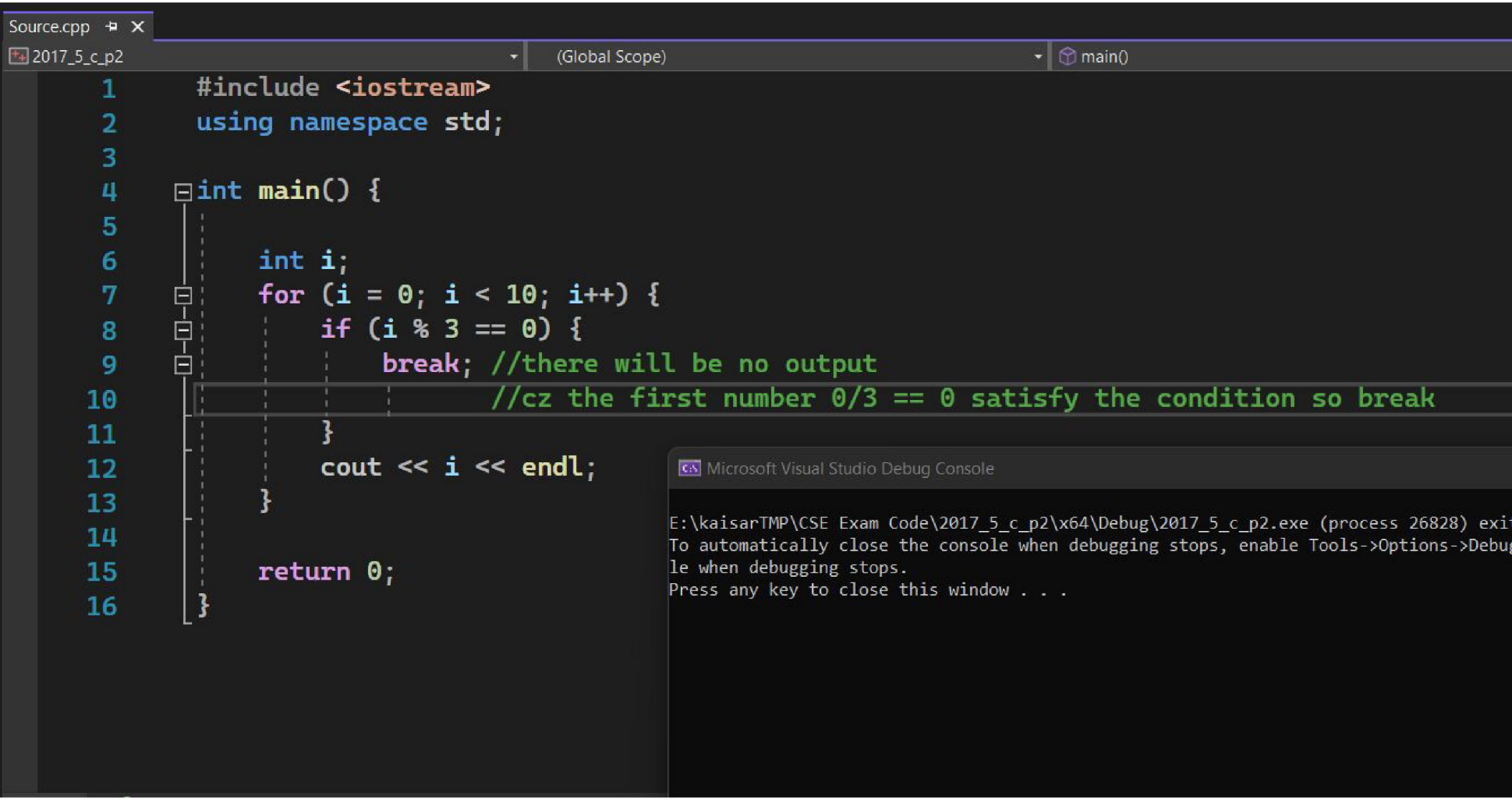
```cpp
#include <iostream>


using namespace std;
struct  student{
    int id;
    char name[20];
    float percentage;
};

int main() {

    student std;
    std.id = 1;
    strcpy_s(std.name, "Puja");
    std.percentage = 86.5;
    cout << "ID: " << std.id << endl;
    cout << "Name: " << std.name << endl;
    cout << "Percentage: " << std.percentage << endl;

    return 0;

}

```

Source.cpp

2017_5_b | (Global Scope) | main()

```cpp
#include <iostream>

using namespace std;
struct  student{
    int id;
    char name[20];
    float percentage;
};

int main() {

    student std;
    id = 1;
    strcpy(std.name, "Puja");
    percentage = 86.5;
    cout << "ID: " << std.id << endl;
    cout << "Name: " << std.name << endl;
    cout << "Percentage: " << std.percentage << endl;

    return 0;

}

```


Source.cpp
2017_5_c_p1
(Global Scope)
main()
#include <iostream>
using namespace std;
int main() {
int i;
for (i = 0; i < 10; i++) {
if ((i % 2 == 0) || (i % 3 == 0)) {
continue; //multiplyer of 2 and 3 are out of count so 1 5 7
}
cout << i << endl;
}
return 0;
}
Microsoft Visual Studio Debug Console
1
5
7
E:\kaisarTMP\CSE Exam Code\2017_5_c_p1\x64\Debug\2017_5_c_p1
To automatically close the console when debugging stops, ena
le when debugging stops.
Press any key to close this window . . .
146 %
No issues found
Output


Source.cpp
2017_5_c_p2
(Global Scope)
main()
#include <iostream>
using namespace std;
int main() {
int i;
for (i = 0; i < 10; i++) {
if (i % 3 == 0) {
break; //there will be no output
//cz the first number 0/3 == 0 satisfy the condition so break
}
cout << i << endl;
}
return 0;
}
Microsoft Visual Studio Debug Console
E:\kaisarTMP\CSE Exam Code\2017_5_c_p2\x64\Debug\2017_5_c_p2.exe (process 26828) exi
To automatically close the console when debugging stops, enable Tools->Options->Debu
le when debugging stops.
Press any key to close this window . . .

Source.cpp

2017_6_a

(Global Scope)

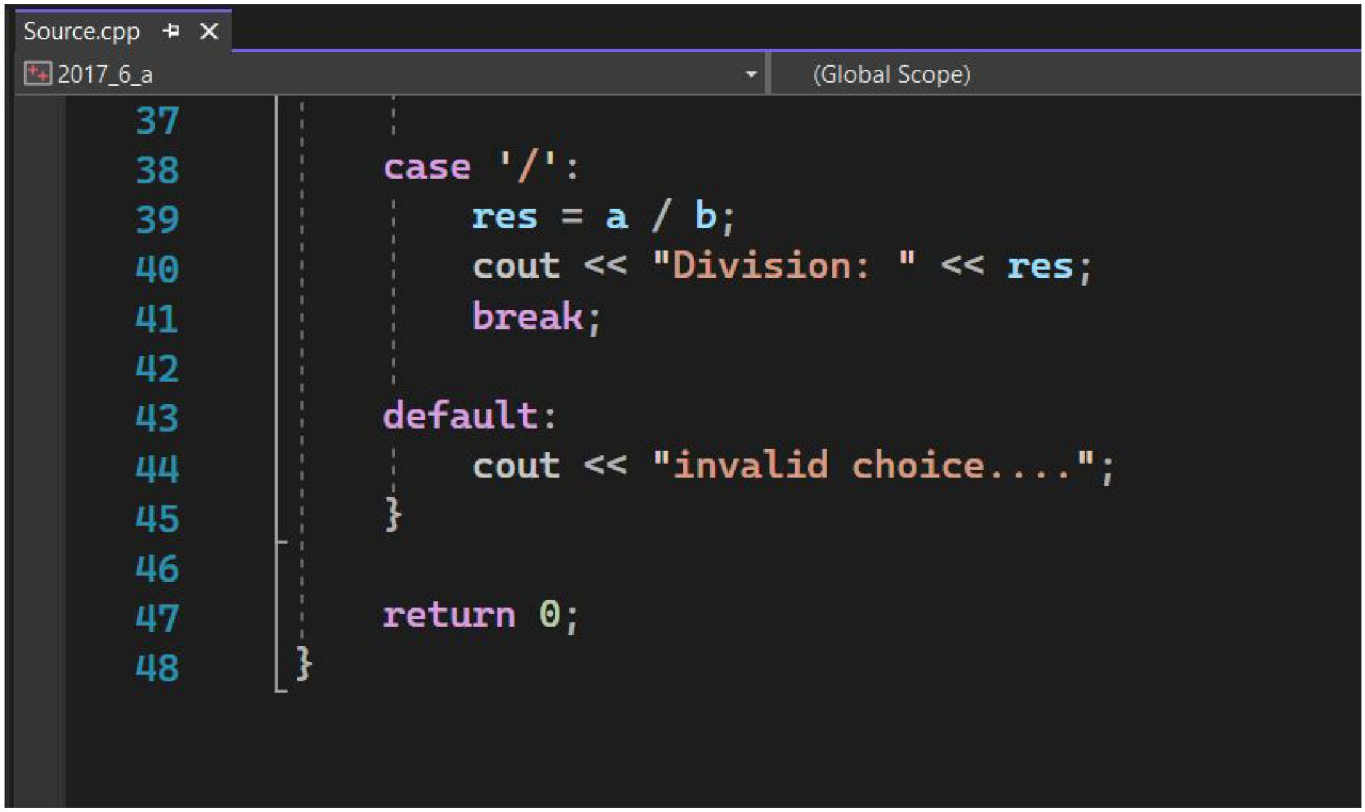
```cpp
#include<iostream>
using namespace std;


int main()
{
    char select;
    double a, b, res;
    cout << "'+' for Addition" << endl;
    cout << "'-' for Subtraction" << endl;
    cout << "'*' for Multiply" << endl;
    cout << "'/' for Division" << endl;

    cout << "\nEnter Your Choice: ";
    cin >> select;
    cout << "Enter the value of a:";
    cin >> a;
    cout << "Enter the value of b:";
    cin >> b;

```

Source.cpp

2017_6_a

(Global Scope)

```
19      cin >> b;
20
21      switch (select)
22      {
23      case '+':
24          res = a + b;
25          cout << "Addition: " << res;
26          break;
27
28      case '-':
29          res = a - b;
30          cout << "Subtraction: " << res;
31          break;
32
33      case '*':
34          res = a * b;
35          cout << "Multiply: " << res;
36          break;
37
```


Source.cpp
2017_6_a
(Global Scope)
37
38 case '/':
39 res = a / b;
40 cout << "Division: " << res;
41 break;
42
43 default:
44 cout << "invalid choice....";
45 }
46
47 return 0;
48 }

Source.cpp

2017_7_a

(Global Scope)

```cpp
#include<iostream>
using namespace std;
int main() {

    int num, temp = 0, revr = 0, i = 0;
    cin >> num;
    while (num != 0) {
        temp = num % 10;
        revr = revr*10 + temp;
        num /= 10;
    }
    cout << revr;

    return 0;

}
```

Source.cpp

2017_7_b

(Global Scope)

```cpp
#include<iostream>
using namespace std;
int main() {

    int r, c, s, n;
    cin >> n;
    for (r = n; r > 0; r--) {
        for (c = r; c > 0; c--) {
            cout << "*";
        }
        cout << endl;
    }



    return 0;
}
```