2018 - 2 - b

Source.cpp

2018_2_b | (Global Scope) | main()

```cpp
#include <iostream>

using namespace std;
int main() {

    int x = 5, y = 20, k = 2;
    if (x > y) {        //no output cz 5 > 20 not true so nothing will happen
        if (y > k) {
            k = x;
        }
        else {
            k = x + y;
            cout << k;
        }
    }


    return 0;
}
```

2018 - 2 - c

Source.cpp

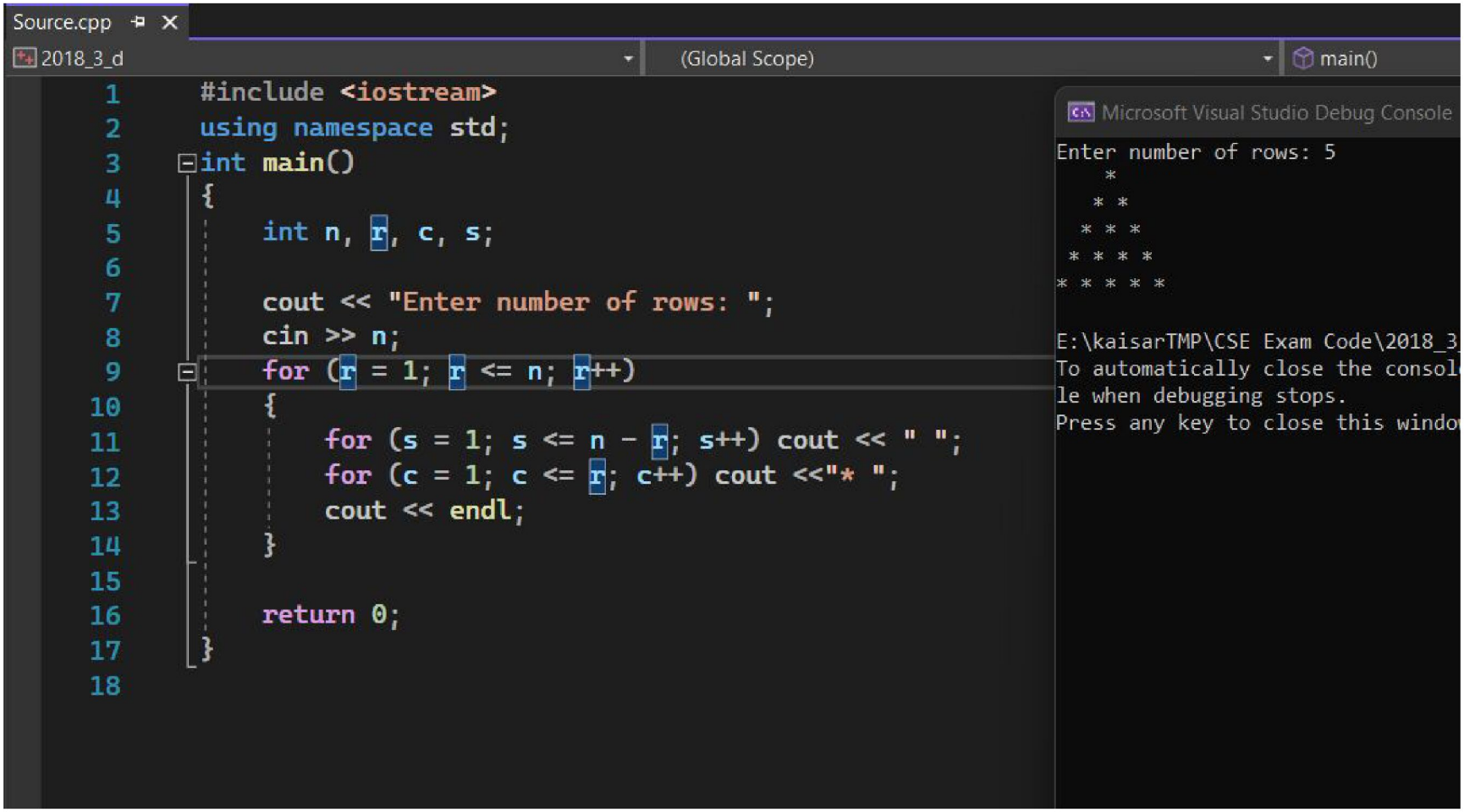
2018_2_c (Global Scope)

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

    int num;
    cout << "Input Number: ";
    cin >> num;
    if (num % 2 == 0) {
        cout << num << " is Even Number" << endl;
    }
    else {
        cout << num << " is Odd Number" << endl;
    }

    return 0;
}
```

2018 - 3 - d


Source.cpp
2018_3_d
(Global Scope)
main()
#include <iostream>
using namespace std;
int main()
{
int n, r, c, s;
cout << "Enter number of rows: ";
cin >> n;
for (r = 1; r <= n; r++)
{
for (s = 1; s <= n - r; s++) cout << " ";
for (c = 1; c <= r; c++) cout <<"* ";
cout << endl;
}
return 0;
}
Microsoft Visual Studio Debug Console
Enter number of rows: 5
*
* *
* * *
* * * *
* * * * *
E:\kaisarTMP\CSE Exam Code\2018_3
To automatically close the consol
le when debugging stops.
Press any key to close this windo

2018 - 7 - a

Source.cpp

2018_7_a (Global Scope)

```
4   int main() {
5
6       double Rin, Rout, Vin, Vout;
7       cout << "Inner Radius: ";
8       cin >> Rin;
9       cout << "Outer Radius: ";
10      cin >> Rout;
11      cout << "Inner Velocity: ";
12      cin >> Vin;
13
14      Vout = Vin * pow((Rin / Rout), 2);
15      cout << "Outer Velocity: "<<Vout<< " ft/sec" << endl;
16
17      return 0;
18  }
```

2018 - 7 - b

Source.cpp

2018_7_b | (Global Scope) | main()

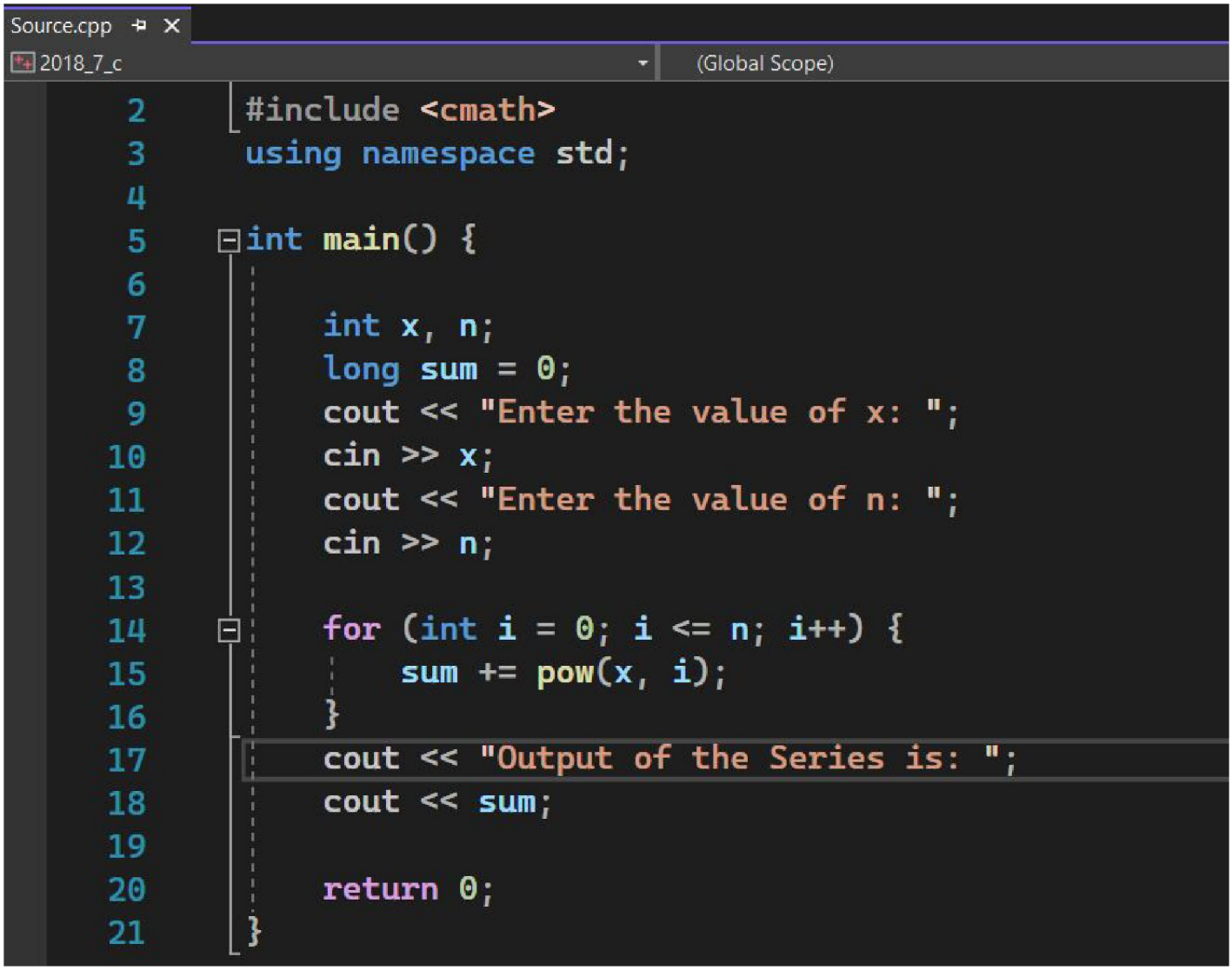
```cpp
#include <iostream>
#include <iomanip>
using namespace std;
int main() {

    double r1, r2, r3, req = 0.0;
    r1 = 1000.0;
    r2 = 500.0;
    r3 = 250.0;
    req = 1 / ((1 / r1) + (1 / r2) + (1 / r3));
    cout ;

    cout << "The Combined Resistance " << setw(7) << setprecision(5) << setfill('0') << req << "ohms." << endl;


    return 0;
}
```

2018 - 7 - c


Source.cpp
2018_7_c
(Global Scope)
#include <cmath>
using namespace std;
int main() {
int x, n;
long sum = 0;
cout << "Enter the value of x: ";
cin >> x;
cout << "Enter the value of n: ";
cin >> n;
for (int i = 0; i <= n; i++) {
sum += pow(x, i);
}
cout << "Output of the Series is: ";
cout << sum;
return 0;
}