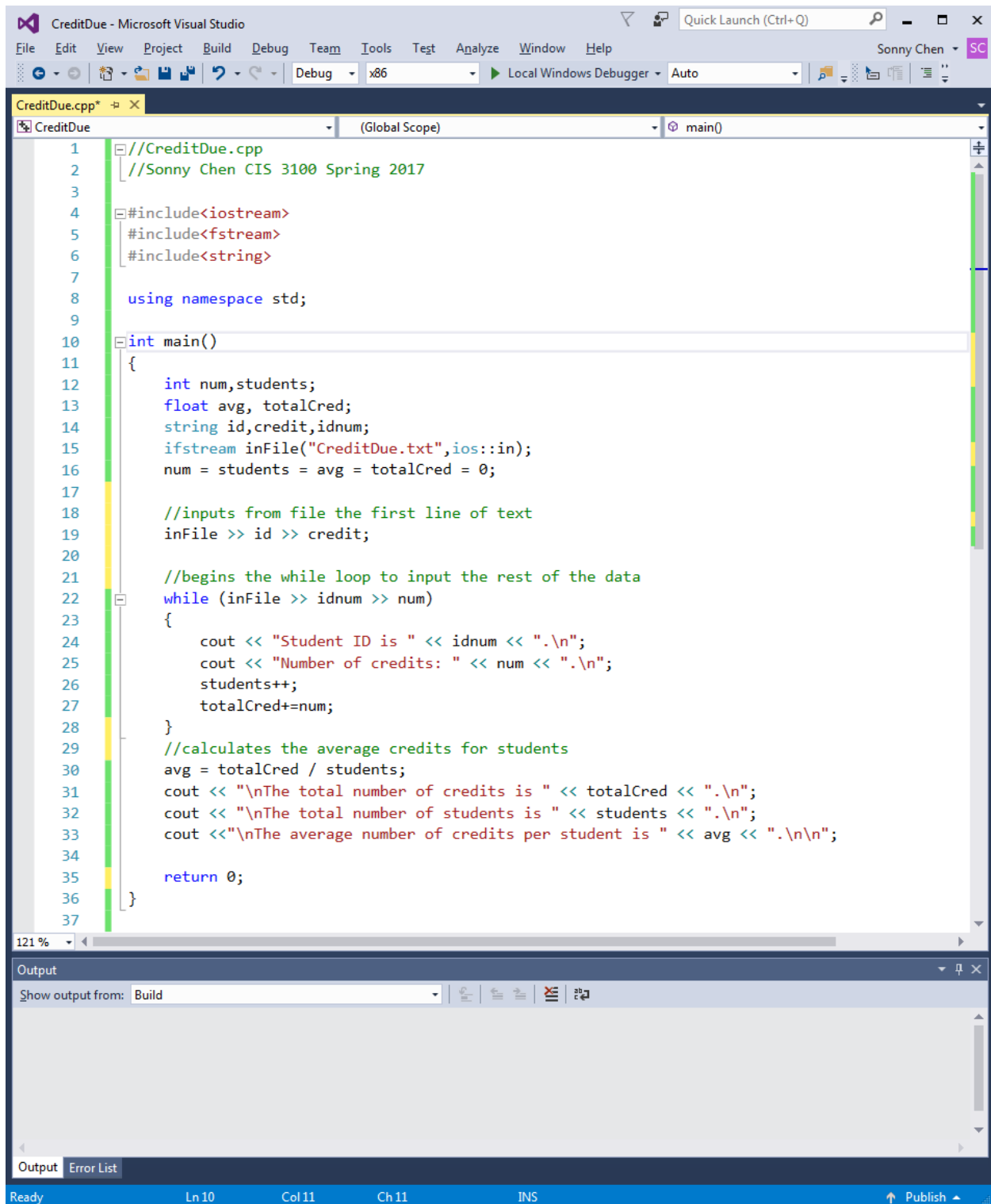


## Sonny Chen CIS 3100 Spring 2017



```
1 //CreditDue.cpp
2 //Sonny Chen CIS 3100 Spring 2017
3
4 #include<iostream>
5 #include<fstream>
6 #include<string>
7
8 using namespace std;
9
10 int main()
11 {
12     int num,students;
13     float avg, totalCred;
14     string id,credit,idnum;
15     ifstream inFile("CreditDue.txt",ios::in);
16     num = students = avg = totalCred = 0;
17
18     //inputs from file the first line of text
19     inFile >> id >> credit;
20
21     //begins the while loop to input the rest of the data
22     while (inFile >> idnum >> num)
23     {
24         cout << "Student ID is " << idnum << ".\n";
25         cout << "Number of credits: " << num << ".\n";
26         students++;
27         totalCred+=num;
28     }
29     //calculates the average credits for students
30     avg = totalCred / students;
31     cout << "\nThe total number of credits is " << totalCred << ".\n";
32     cout << "\nThe total number of students is " << students << ".\n";
33     cout << "\nThe average number of credits per student is " << avg << ".\n\n";
34
35     return 0;
36 }
37
```

Output

Show output from: Build

Ready Ln 10 Col 11 Ch 11 INS Publish

```
C:\Windows\system32\cmd.exe
Student ID is 000196721.
Number of credits: 15.
Student ID is 432109869.
Number of credits: 9.
Student ID is 962127584.
Number of credits: 12.
Student ID is 215341242.
Number of credits: 18.
Student ID is 000098706.
Number of credits: 6.
Student ID is 375645327.
Number of credits: 15.
Student ID is 892476206.
Number of credits: 12.
Student ID is 649521656.
Number of credits: 21.
Student ID is 287345109.
Number of credits: 18.
Student ID is 124126593.
Number of credits: 9.
Student ID is 457368753.
Number of credits: 6.
Student ID is 572751827.
Number of credits: 15.
Student ID is 723452162.
Number of credits: 18.
Student ID is 312160211.
Number of credits: 6.
Student ID is 983265386.
Number of credits: 9.

The total number of credits is 189.

The total number of students is 15.

The average number of credits per student is 12.6.

Press any key to continue . . .
```

ID	#Credits
000196721	15
432109869	9
962127584	12
215341242	18
000098706	6
375645327	15
892476206	12
649521656	21
287345109	18
124126593	9
457368753	6
572751827	15
723452162	18
312160211	6
983265386	9