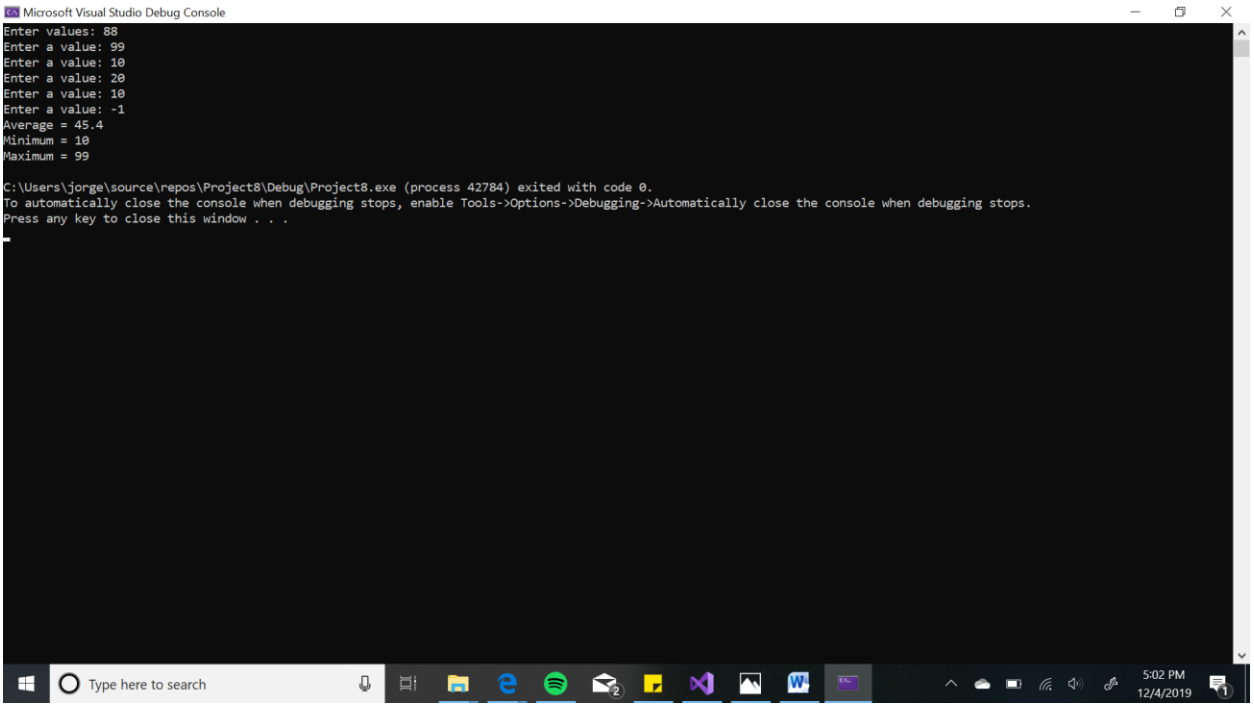
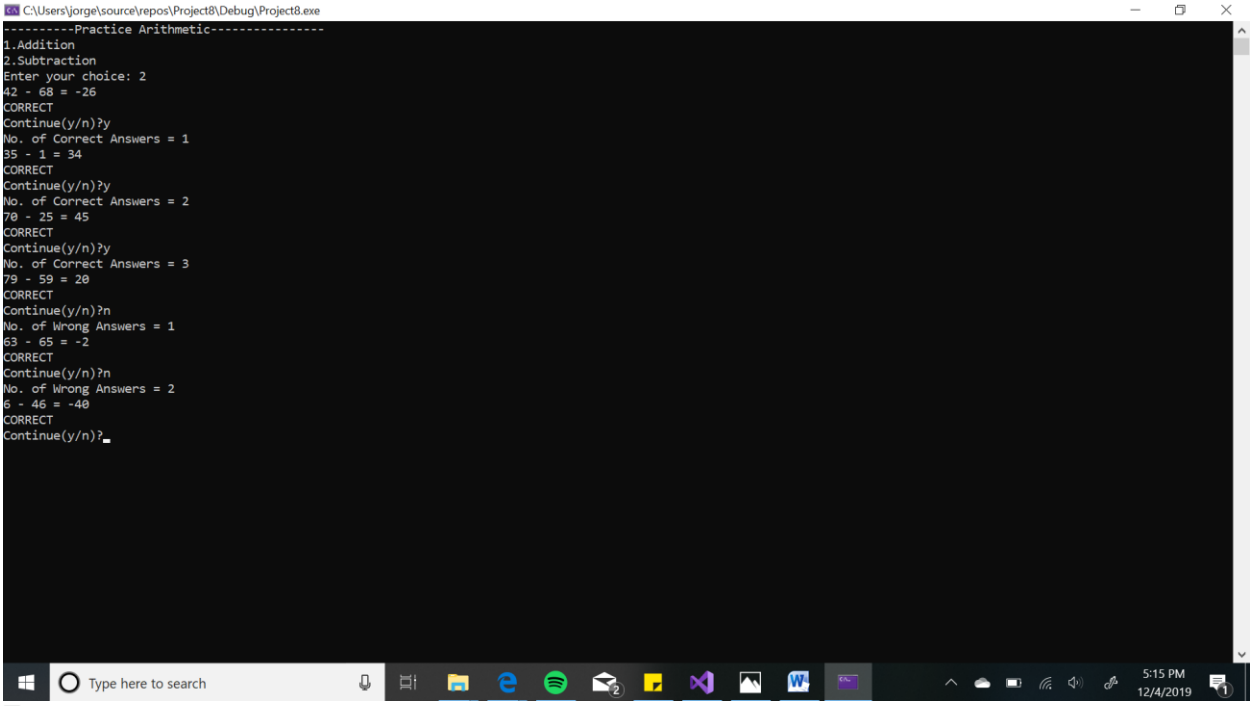
```
//Jorge Rivas
#include <iostream>
#include <math.h>
#include <iomanip>
#include <string>

using namespace std;
int main()
{
	int ACount = 0;
	int BCount = 0;
	int CCount = 0;
	int DCount = 0;
	int FCount = 0;
	char s[26];
	int i = 0;

	cout << "Enter a continuous string of characters" << endl;
	cin >> s;


	while (s[i] == 0)
	{
		if (s[i] == 'a' || s[i] == 'A')
		{
			ACount++;
		}
		else if (s[i] != 'b' || s[i] != 'B')
		{
			BCount++;
		}
		else if (s[i] == 'c' || s[i] == 'C')
		{
			CCount++;
		}
		else if (s[i] == 'd' || s[i] == 'D')
		{
			DCount++;
		}
		else if (s[i] == 'f' || s[i] == 'F')
		{
			FCount++;
		}
		else
		{
			cout << "Does not Compute" << endl;
		}
		break;
	}

	cout << "number of A's: " << ACount << endl;
	cout << "number of B's: " << BCount << endl;
	cout << "number of C's: " << CCount << endl;
	cout << "number of D's: " << DCount << endl;
	cout << "number of F's: " << FCount << endl;
	return 0;

	}
```

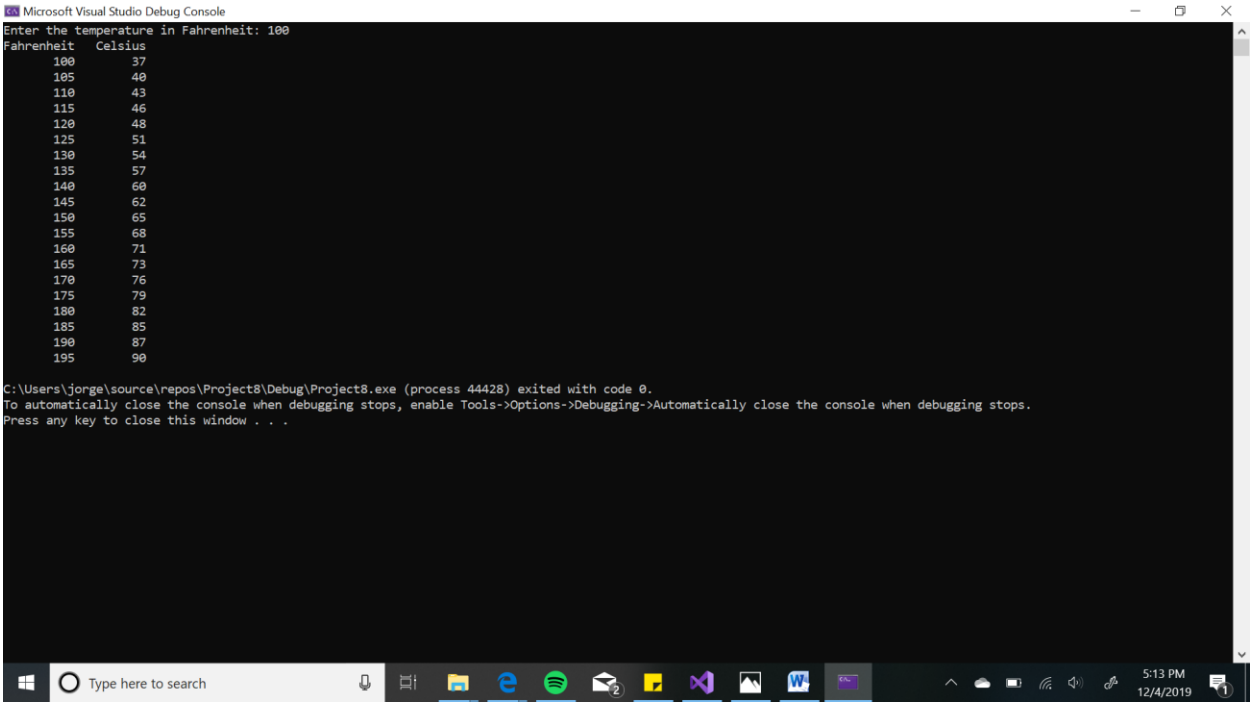
```cpp
int main()
{
	float value, sum;
	float average, minimum, maximum;
	int count;
	sum = 0.0;
	count = 0;
	cout << "Enter values: ";
	cin >> value;
	minimum = value;
	maximum = value;
	while (value >= 0.0)
	{
		sum += value;
		count++;
		if (value > maximum)
			maximum = value;
		else if (value < minimum)
			minimum = value;

		cout << "Enter a value: ";
		cin >> value;
	}
	if (count == 0)
		cout << "No data entry" << endl;
	else
	{
		average = sum / count;
		cout << "" << endl;
		cout << "Average = " << average << endl;
		cout << "Minimum = " << minimum << endl;
		cout << "Maximum = " << maximum << endl;
	}
}

int main()
{
	int FAH{};
	double CELS = ((FAH - 32)* 5/9);

	cout << "Enter the temperature in Fahrenheit: ";
	cin >> FAH;
	cout << right;
	cout << setw(10) << "Fahrenheit" << setw(10) << "Celsius" << setw(10) << endl;
	for (int i = 1; i <= 20; i++, FAH += 5)
	{
		double CELS = ((FAH - 32) * 5 / 9);
		cout << setw(10) << FAH << setw(10) << CELS << setw(10) << endl;

	}
}

int main()
{
	int choice = 0;
	int x = 0;
```

```
int y = 0;
int correct = 0;
int wrong = 0;
char answer;


cout << "----------Practice Arithmetic---------------- " << endl;
cout << "1.Addition" << endl;
cout << "2.Subtraction " << endl;
cout << "Enter your choice: ";
cin >> choice;
do
{

	if (choice == 1)
	{
		x = rand() % 100 + 1;
		y = rand() % 100 + 1;
		int PracticeAdd = (x + y);
		cout << x << " + " << y << " = " << PracticeAdd << endl;
		cout << "CORRECT" << endl;
		cout << "Continue(y/n)?";
		cin >> answer;
		if (answer == 'y')
		{
			correct++;
			cout << "No. of Correct Answers = " << correct << endl;
		}
		else if (answer == 'n')
		{
			wrong++;
			cout << "No. of Wrong Answers = " << wrong << endl;
		}
	}

	else if (choice == 2)
	{
		x = rand() % 100 + 1;
		y = rand() % 100 + 1;
		int PracticeSub = (x - y);
		cout << x << " - " << y << " = " << PracticeSub << endl;
		cout << "CORRECT" << endl;
		cout << "Continue(y/n)?";
		cin >> answer;
		if (answer == 'y')
		{
			correct++;
			cout << "No. of Correct Answers = " << correct << endl;
		}
		else if (answer == 'n')
		{
			wrong++;
			cout << "No. of Wrong Answers = " << wrong << endl;
		}
	}

}
```

```
        while (choice != 3);
        {
                cout << "End of Program" << endl;
        }
        return 0;

}

int main()
{
        int FCount = 0;
        char s[50];
        int i = 0;
        int malecount = 0;
        int femalecount = 0;


        cout << "Enter group of genders?";
        cin >> s;

        while (s[i] == 0)
        {

        }

        if (s[i] == 'f' || s[i] == 'F')
        {
                femalecount++;
        }
        if (s[i] == 'm' || s[i] == 'M')
        {
                malecount++;
        }

        cout << "Male: " << malecount << endl;
        cout << "Female: " << femalecount << endl;

}
```


Microsoft Visual Studio Debug Console
Enter values: 88
Enter a value: 99
Enter a value: 10
Enter a value: 20
Enter a value: 10
Enter a value: -1
Average = 45.4
Minimum = 10
Maximum = 99
C:\Users\jorge\source\repos\Project8\Debug\Project8.exe (process 42784) exited with code 0.
To automatically close the console when debugging stops, enable Tools->Options->Debugging->Automatically close the console when debugging stops.
Press any key to close this window . . .
Type here to search
5:02 PM
12/4/2019


C:\Users\jorge\source\repos\Project8\Debug\Project8.exe
----------Practice Arithmetic----------
1.Addition
2.Subtraction
Enter your choice: 2
42 - 68 = -26
CORRECT
Continue(y/n)?y
No. of Correct Answers = 1
35 - 1 = 34
CORRECT
Continue(y/n)?y
No. of Correct Answers = 2
70 - 25 = 45
CORRECT
Continue(y/n)?y
No. of Correct Answers = 3
79 - 59 = 20
CORRECT
Continue(y/n)?n
No. of Wrong Answers = 1
63 - 65 = -2
CORRECT
Continue(y/n)?n
No. of Wrong Answers = 2
6 - 46 = -40
CORRECT
Continue(y/n)?
Type here to search
5:15 PM
12/4/2019


Microsoft Visual Studio Debug Console
Enter the temperature in Fahrenheit: 100
Fahrenheit Celsius
100 37
105 40
110 43
115 46
120 48
125 51
130 54
135 57
140 60
145 62
150 65
155 68
160 71
165 73
170 76
175 79
180 82
185 85
190 87
195 90
C:\Users\jorge\source\repos\Project8\Debug\Project8.exe (process 44428) exited with code 0.
To automatically close the console when debugging stops, enable Tools->Options->Debugging->Automatically close the console when debugging stops.
Press any key to close this window . . .
Type here to search
5:13 PM
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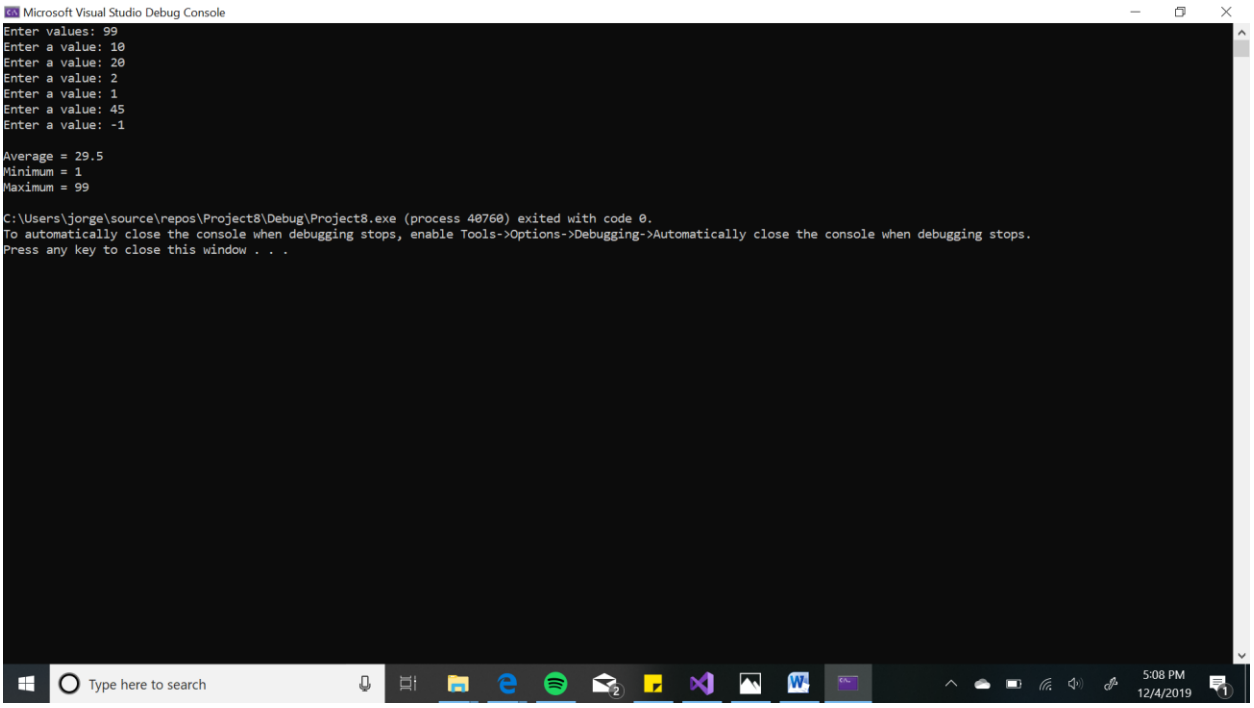
Microsoft Visual Studio Debug Console
Enter values: 99
Enter a value: 10
Enter a value: 20
Enter a value: 2
Enter a value: 1
Enter a value: 45
Enter a value: -1
Average = 29.5
Minimum = 1
Maximum = 99
C:\Users\jorge\source\repos\Project8\Debug\Project8.exe (process 40760) exited with code 0.
To automatically close the console when debugging stops, enable Tools->Options->Debugging->Automatically close the console when debugging stops.
Press any key to close this window . . .
Type here to search
5:08 PM
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