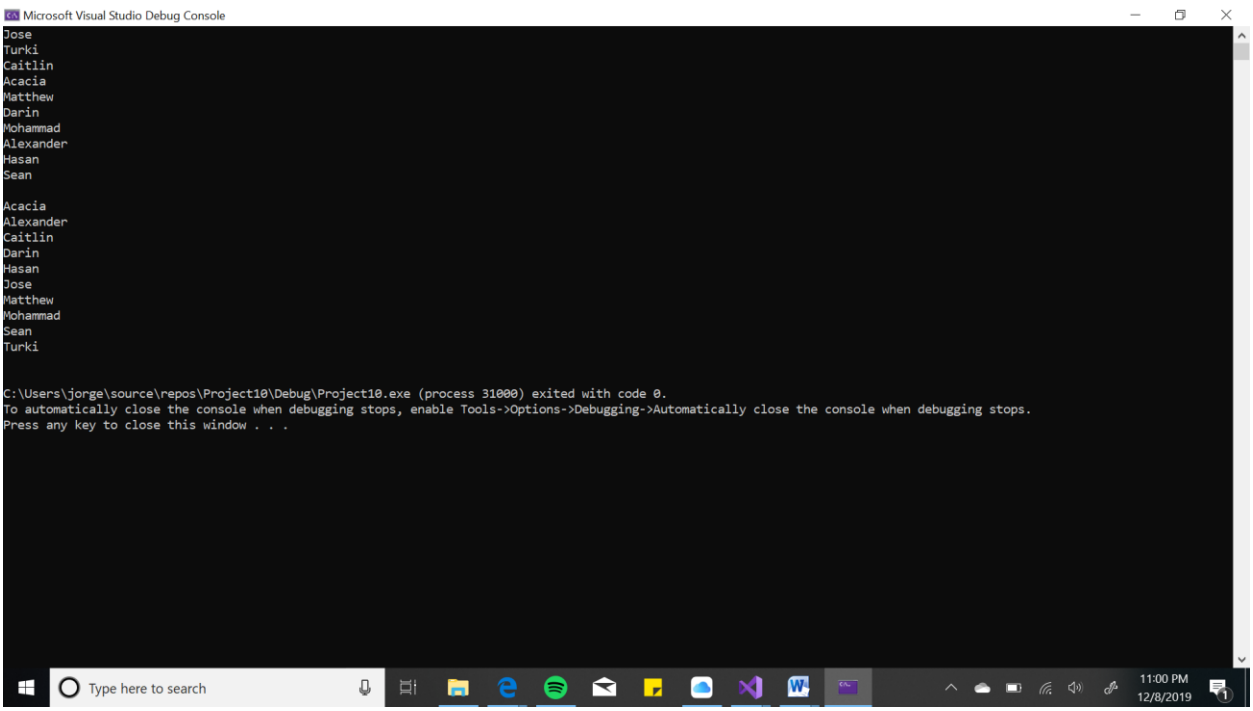
```cpp
//Jorge Rivas
#include <iostream>
#include<fstream>
#include<string.h>
#include<algorithm>
using namespace std;
void copydata(string filename, string* names)
{
	fstream file;
	string word;
	file.open(filename.c_str());
	int i = 0;
	while (file >> word)
	{
		names[i] = word;
		i++;
	}

}
void displaynames(string* names)
{
	for (int i = 0; i < 10; i++)
		cout << names[i] << endl;
	cout << endl;
}
int main()
{

	string names[10];
	copydata("data.txt", names);
	displaynames(names);
	sort(names, names + 10);
	displaynames(names);
	return 0;
}
```




```
//Jorge Rivas
#include<iostream>

using namespace std;
void selectionSort(int a[], int n) {
	int i, j, min, temp;
	for (i = 0; i < n - 1; i++) {
		min = i;
		for (j = i + 1; j < n; j++)
			if (a[j] < a[min])
				min = j;
		temp = a[i];
		a[i] = a[min];
		a[min] = temp;
	}
}
int main()
{
	int a[7] = { 9, 11, 15, 7, 20, 30, 26 };
	int n = sizeof(a) / sizeof(a[0]);
	int i;
	int Min = 0;
	int Max = 0;
	float average = 0.0;
	float sum = 0.0;

	cout << "This is the original array:" << endl;
	for (i = 0; i < 7; i++)
		cout << a[i] << " ";
```

```
	Min = a[0];  Max = a[0];
	for (int i = 1; i < 7; i++)
	{
		if (Min > a[i]) { Min = a[i]; }
		else if (Max < a[i]) { Max = a[i]; }
	}
	cout << "\n" << endl;
	cout << "Maximum number is: " << Max << endl;
	cout << "Minimum number is: " << Min << endl;

	for (i = 0; i < 7; ++i)
	{ sum += a[i]; }
	cout << "\n";
	average = sum / 7;
	cout << "Average = " << average;
	cout << "\n";

	selectionSort(a, 7);
	printf("\nSorted array is: \n");
	for (i = 0; i < 7; i++)
		cout << a[i] << " ";
	return 0;
}
```