

```

//Jorge Rivas
#include <iomanip>
#include <iostream>
#include <string>
#include <cstdlib>
#include <ctime>
#include <cassert>
using namespace std;
int main()
{
    int Min;
    int Max;
    int number[5], i, a, b, c, d, t;
    int result = 0;
    cout << "Enter 5 numbers: ";
    for (int i = 0; i < 5; i++)
    {
        cin >> number[i];
    }

    cout << "\n";
    cout << "The content of the array is: ";
    cout << endl;
    for (i = 0; i < 5; i++)
        cout << number[i] << "\t";
    cout << "\t" << endl;

    cout << "\n" << endl;
    cout << "Total of the array is: ";
    for (i = 0; i < 5; i++)
    {
        result += number[i];
    }
    cout << result << endl;

    Min = number[0];
    Max = number[0];
    for (int i = 1; i < 5; i++)
    {
        if (Min > number[i])
        {
            Min = number[i];
        }
        else if (Max < number[i])
        {
            Max = number[i];
        }
    }
    cout << "\n" << endl;
    cout << "Maximum number is: " << Max << endl;
    cout << "Minimum number is: " << Min << endl;

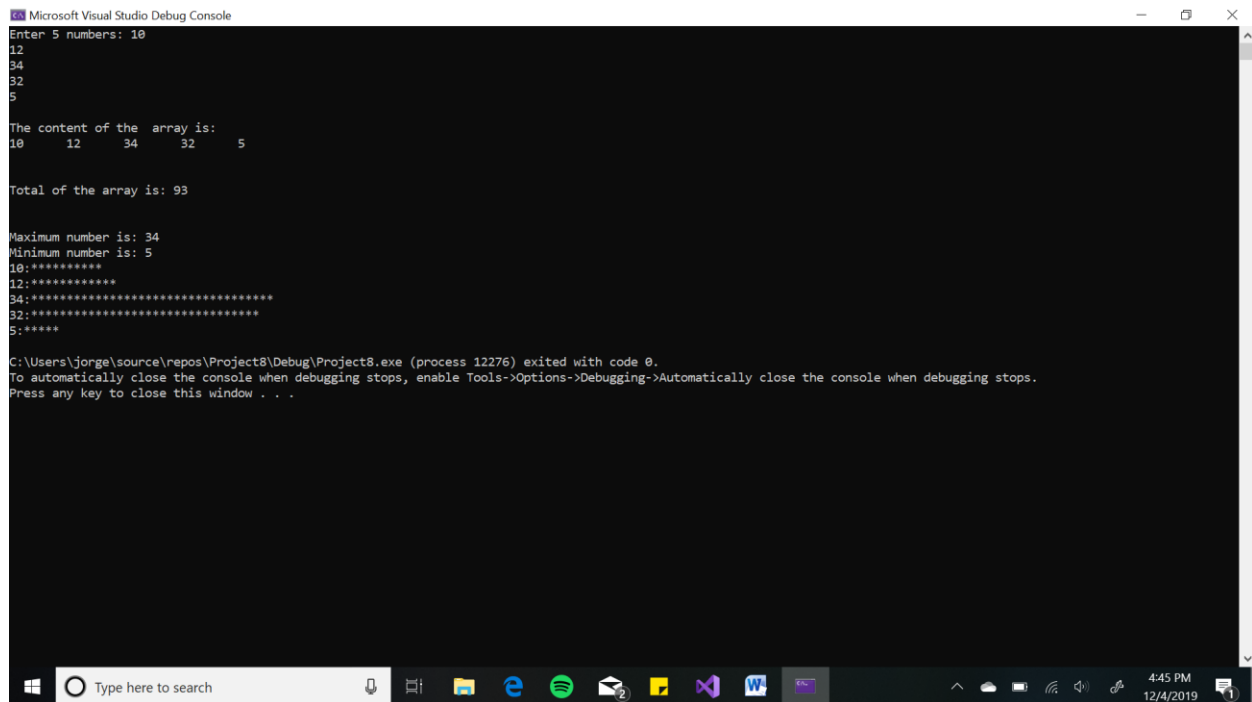
    for (int i = 0; i < 5; i++)
    {
        cout << number[i] << ":";
    }
}

```

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        for (int j = 0; j < number[i]; j++)
        {
            cout << "*";
        }
        cout << endl;
    }
    return 0;
}

```



The screenshot shows the Microsoft Visual Studio Debug Console window. The output of the program is as follows:

```

Enter 5 numbers: 10
12
34
32
5

The content of the array is:
10    12    34    32    5

Total of the array is: 93

Maximum number is: 34
Minimum number is: 5
10:*****
12:*****
34:*****
32:*****
5:*****

C:\Users\jorge\source\repos\Project8\Debug\Project8.exe (process 12276) 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 . . .

```

```

int main() {
    int max;
    int array[10];
    int min;
    int number = 0;
    int count = 0;
    int largest = -1;
    int smallest = -1;
    int i = 0;
    int random = 0;
    float average = 0.0;
    const int Numb = 10;
    int a[Numb];
    float num[100];
    float sum = 0.0;

    do {
        cout << "How many random integers do you want?";
        cin >> number;
    } while (number < 0 || number > 100);
}

```

```

for (i = 0; i < number; i++) {
    random = (rand() % 100) + 1;
    array[i] = random;
}

for (i = 0; i < number; i++) {
    cout << array[i] << ' ';
    if ((i + 1) % 10 == 0) {
        cout << '\n';
    }
}
cout << "\n" << endl;
cout << "The content of the array is: ";
cout << endl;
for (i = 0; i < 10; i++)
    cout << array[i] << "\t";
cout << "\t" << endl;

min = array[0];
max = array[0];
for (int i = 1; i < 5; i++)
{
    if (min > array[i])
    {
        min = array[i];
    }
    else if (max < array[i])
    {
        max = array[i];
    }
}
cout << "\n" << endl;
cout << "Maximum number is: " << max << endl;
cout << "Minimum number is: " << min << endl;

while (number > 100 || number <= 0)
{
    cout << "Error! number should in range of (1 to 100)." << endl;
    cout << "Enter the number again: ";
}

for (i = 0; i < number; ++i)
{
    sum += array[i];
}

average = sum / number;
cout << "\n" << endl;
cout << "Average = " << average;

cout << "\n" << endl;
cout << "The numbers that are above average are: ";
for (i = 0; i < 10; i++)
{
    if (average < array[i]);
}

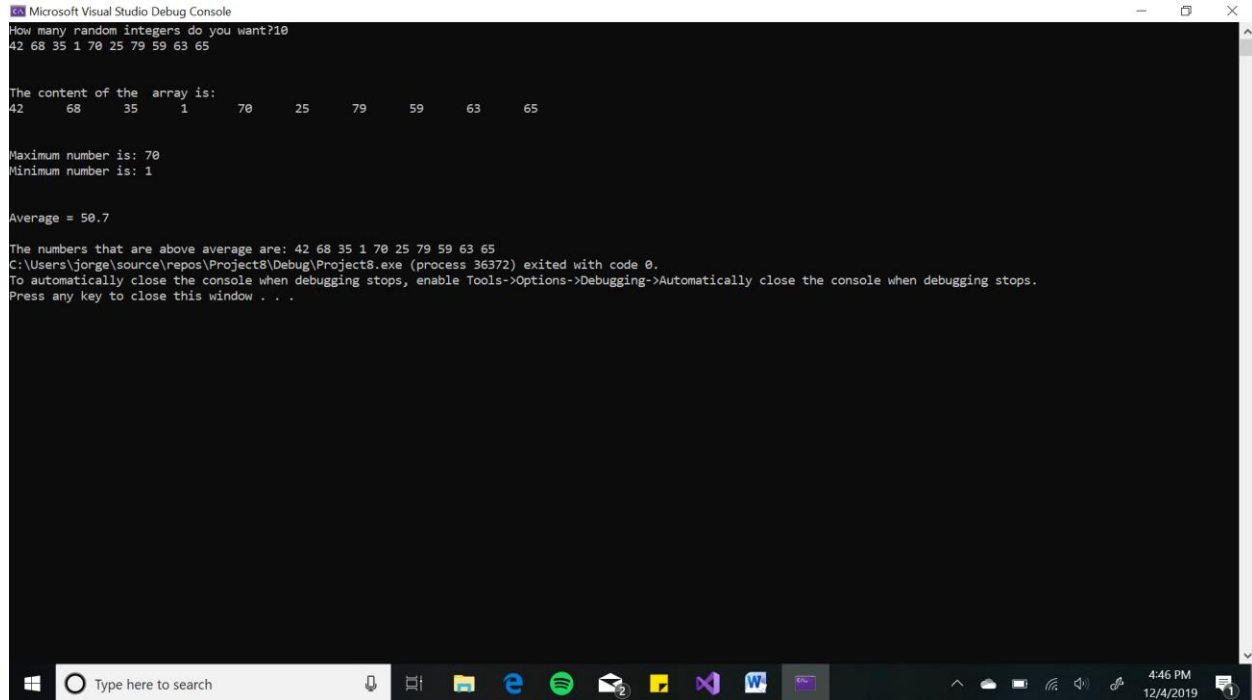
```

```

        cout << array[i] << " ";
    }

    return 0;
}

```



The screenshot shows the Microsoft Visual Studio Debug Console window. The output text is as follows:

```

Microsoft Visual Studio Debug Console
How many random integers do you want?10
42 68 35 1 70 25 79 59 63 65

The content of the array is:
42    68    35    1    70    25    79    59    63    65

Maximum number is: 70
Minimum number is: 1

Average = 50.7

The numbers that are above average are: 42 68 35 1 70 25 79 59 63 65
C:\Users\jorge\source\repos\Project8\Debug\Project8.exe (process 36372) 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 . . .

```

The bottom of the image shows the Windows taskbar with the search bar and various application icons. The system clock indicates 4:46 PM on 12/4/2019.

```

int main()
{
    char answer;
    const int MAX_NUM = 5;
    srand(time(NULL));

    string message[MAX_NUM] =
    { "Study More", "Go to movie", "Stay home", "Call friend", "Go to Las Vegas" };

    for (int i = 0; i < 1; i++)
    {
        while (true)
        {
            int random = rand() % MAX_NUM;
            cout << message[random] << endl;
            cout << "Continue(y/n)?";
            cin >> answer;
            if (answer == 'y')
            {
                continue;
            }
            else if (answer == 'n')
            {
                break;
            }
        }
    }
}

```

```
}  
    return 0;  
}
```

