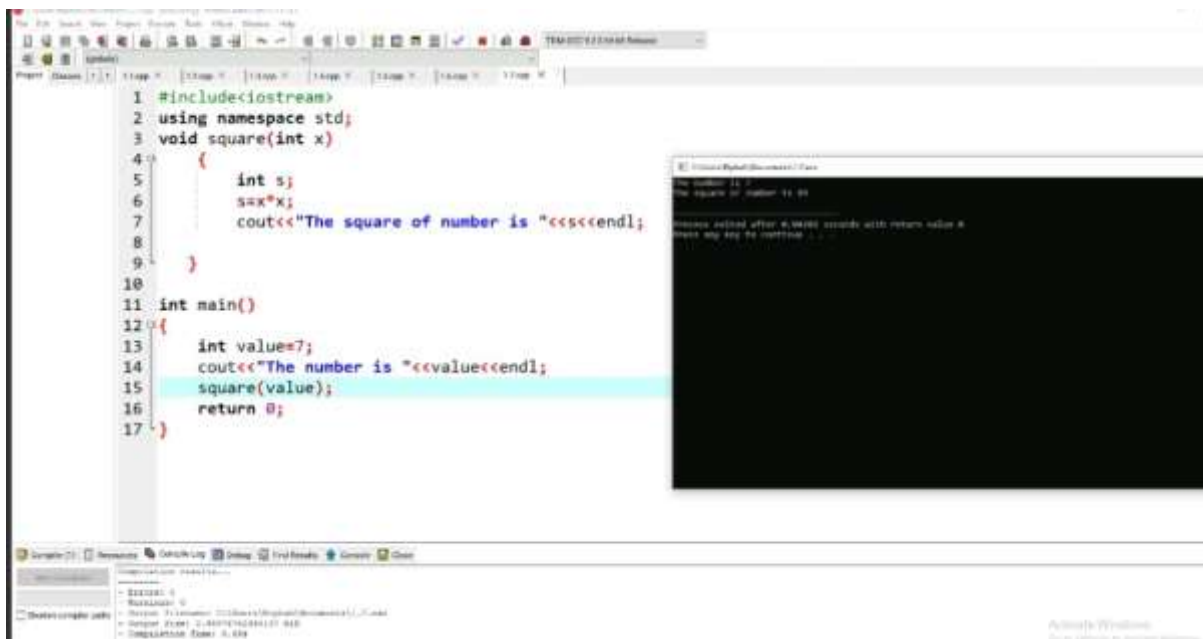


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Question#1



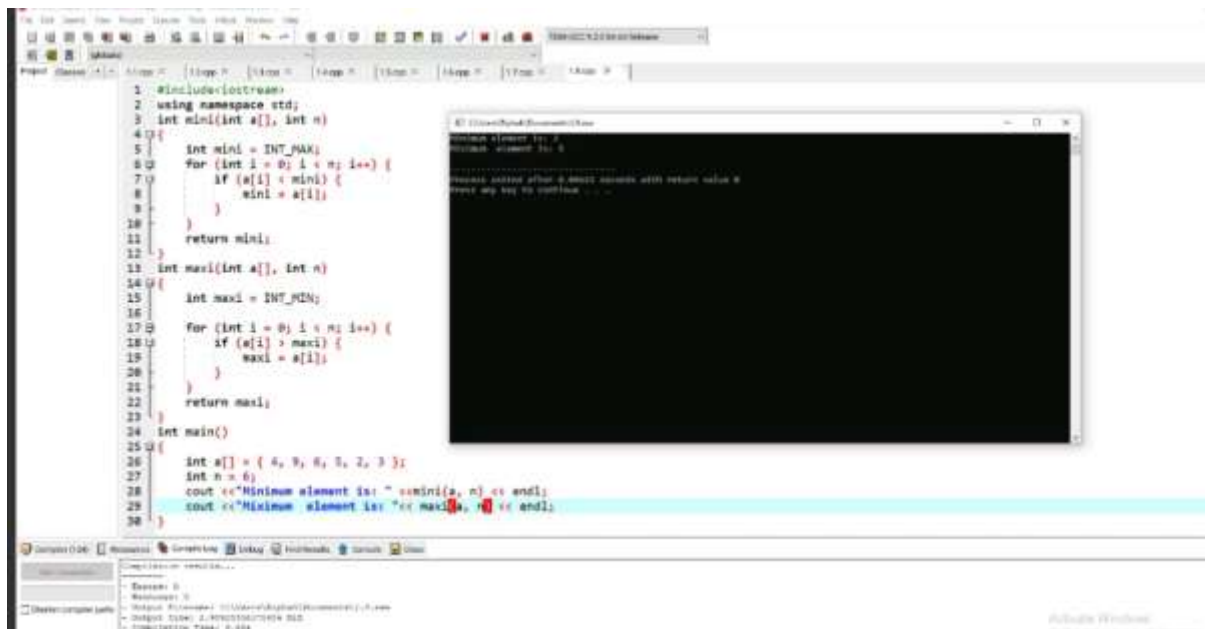
The screenshot shows a C++ IDE with a source file and a console window. The source file contains the following code:

```
1 #include<iostream>
2 using namespace std;
3 void square(int x)
4 {
5     int s;
6     s=x*x;
7     cout<<"The square of number is "<<s<<endl;
8 }
9
10
11 int main()
12 {
13     int value=7;
14     cout<<"The number is "<<value<<endl;
15     square(value);
16     return 0;
17 }
```

The console window displays the output of the program:

```
Minimum element is: 1
Maximum element is: 5
Process exited after 0.00001 seconds with return value 0
Press any key to continue . . .
```

Question#2



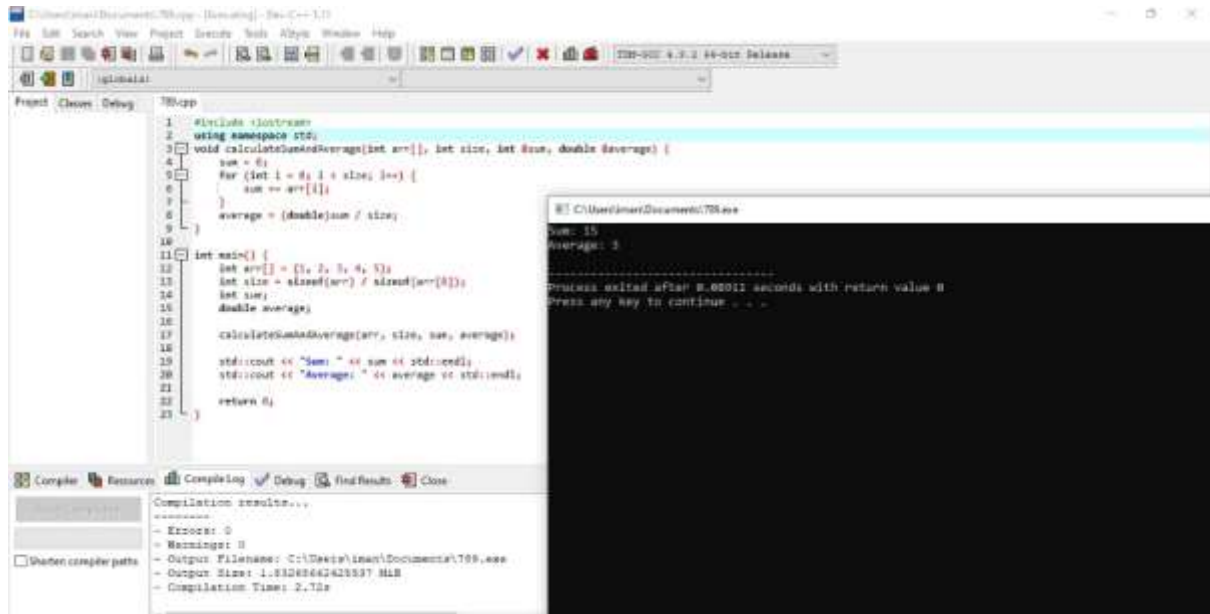
The screenshot shows a C++ IDE with a source file and a console window. The source file contains the following code:

```
1 #include<iostream>
2 using namespace std;
3 int mini(int a[], int n)
4 {
5     int mini = INT_MAX;
6     for (int i = 0; i < n; i++) {
7         if (a[i] < mini) {
8             mini = a[i];
9         }
10    }
11    return mini;
12 }
13 int maxi(int a[], int n)
14 {
15     int maxi = INT_MIN;
16     for (int i = 0; i < n; i++) {
17         if (a[i] > maxi) {
18             maxi = a[i];
19         }
20    }
21    return maxi;
22 }
23
24 int main()
25 {
26     int a[] = { 4, 9, 8, 3, 2, 3 };
27     int n = 6;
28     cout <<"Minimum element is: " <<mini(a, n) << endl;
29     cout <<"Maximum element is: " << maxi(a, n) << endl;
30 }
```

The console window displays the output of the program:

```
Minimum element is: 1
Maximum element is: 5
Process exited after 0.00001 seconds with return value 0
Press any key to continue . . .
```

Question#3



The screenshot shows a C++ IDE with a source file named `709.cpp`. The code defines a function `calculateSumAndAverage` that takes an array, its size, a reference to a sum variable, and a reference to an average variable. The `main` function creates an array `arr` with values `{1, 2, 3, 4, 5}`, calculates its size, and then calls the `calculateSumAndAverage` function. The results are printed using `std::cout`.

```
1 #include <iostream>
2 using namespace std;
3 void calculateSumAndAverage(int arr[], int size, int &sum, double &average) {
4     sum = 0;
5     for (int i = 0; i < size; i++) {
6         sum += arr[i];
7     }
8     average = (double)sum / size;
9 }
10
11 int main() {
12     int arr[] = {1, 2, 3, 4, 5};
13     int size = sizeof(arr) / sizeof(arr[0]);
14     int sum;
15     double average;
16     calculateSumAndAverage(arr, size, sum, average);
17     std::cout << "Sum: " << sum << std::endl;
18     std::cout << "Average: " << average << std::endl;
19     return 0;
20 }
```

The output window shows the following text:

```
sum: 15
average: 3
.....
Process exited after 0.00011 seconds with return value 0
Press any key to continue . . .
```

The compilation results window shows the following information:

```
Compilation results...
-----
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\lman\Documents\709.exe
- Output Size: 1.03268662420597 KB
- Compilation Time: 2.72s
```