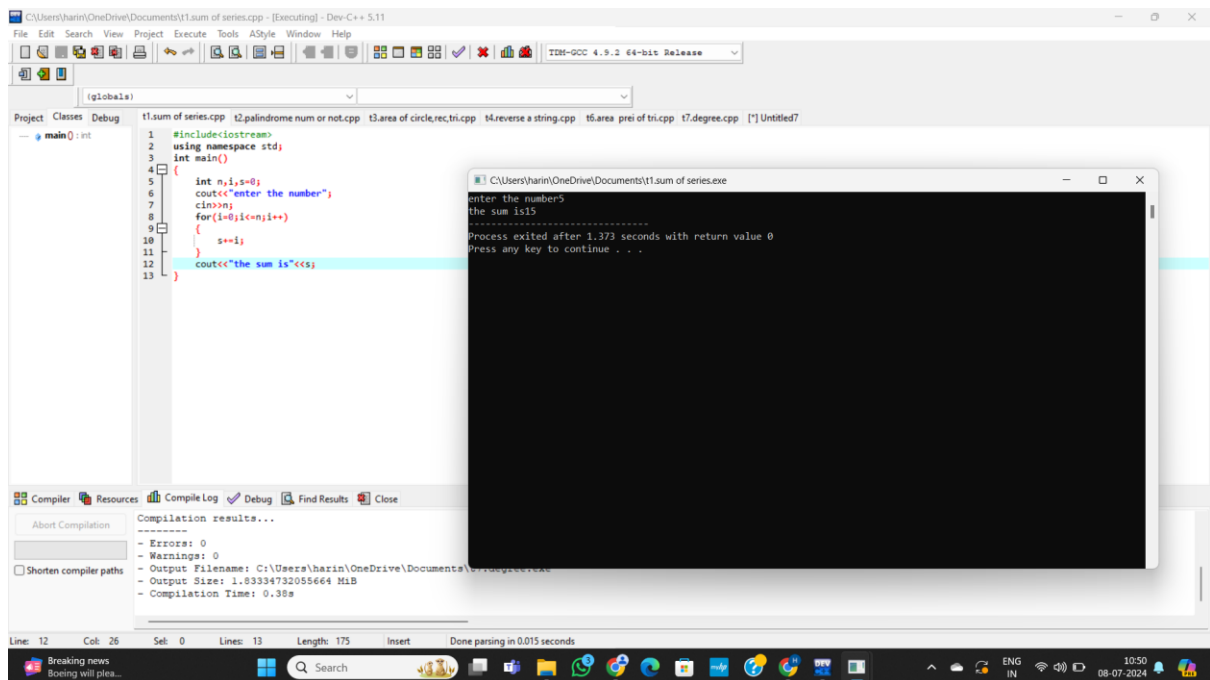
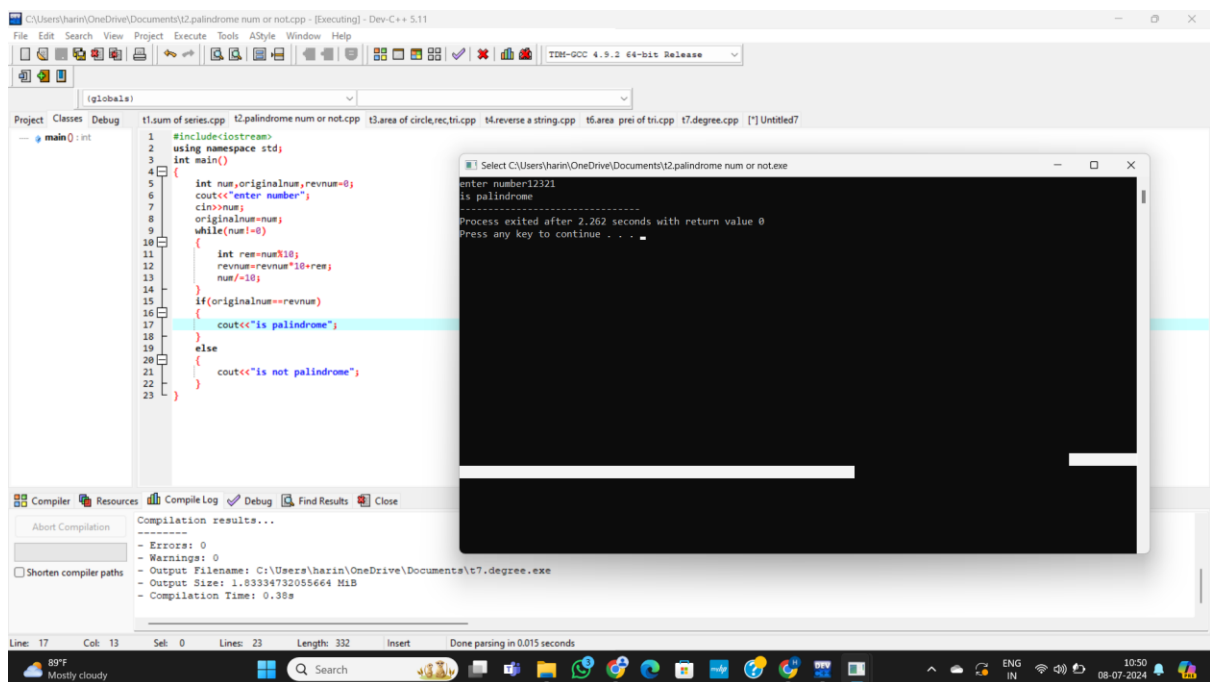


# TEST 2 :

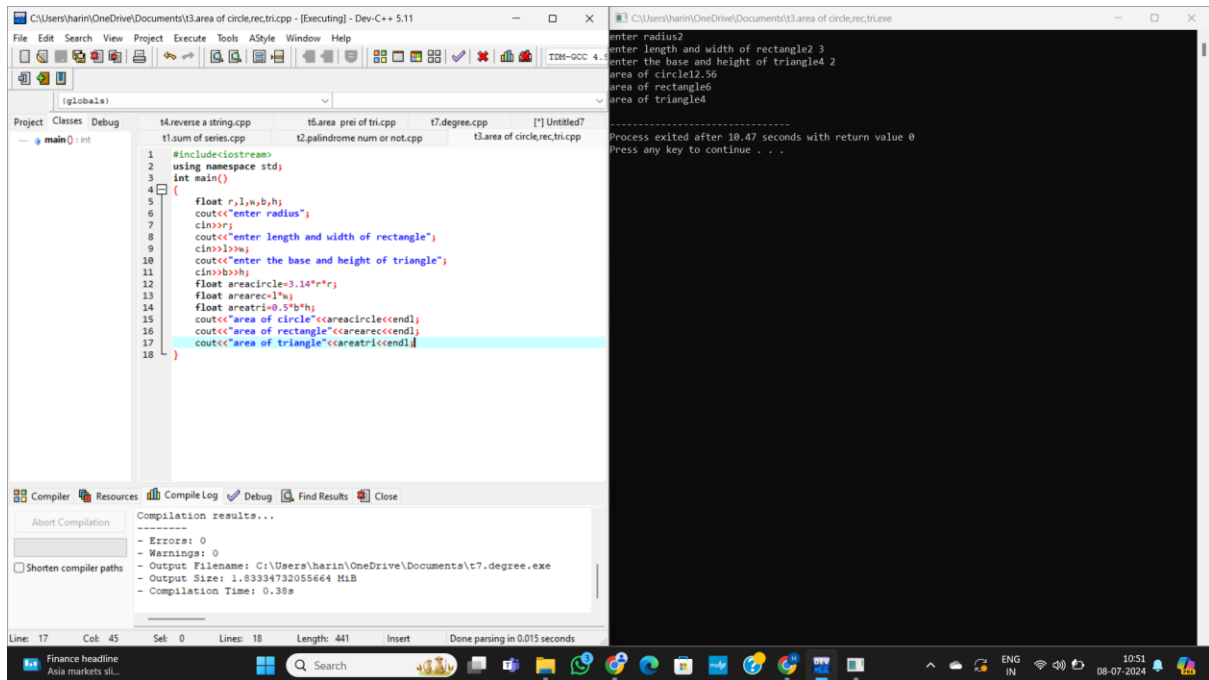
## 1. Sum of numbers



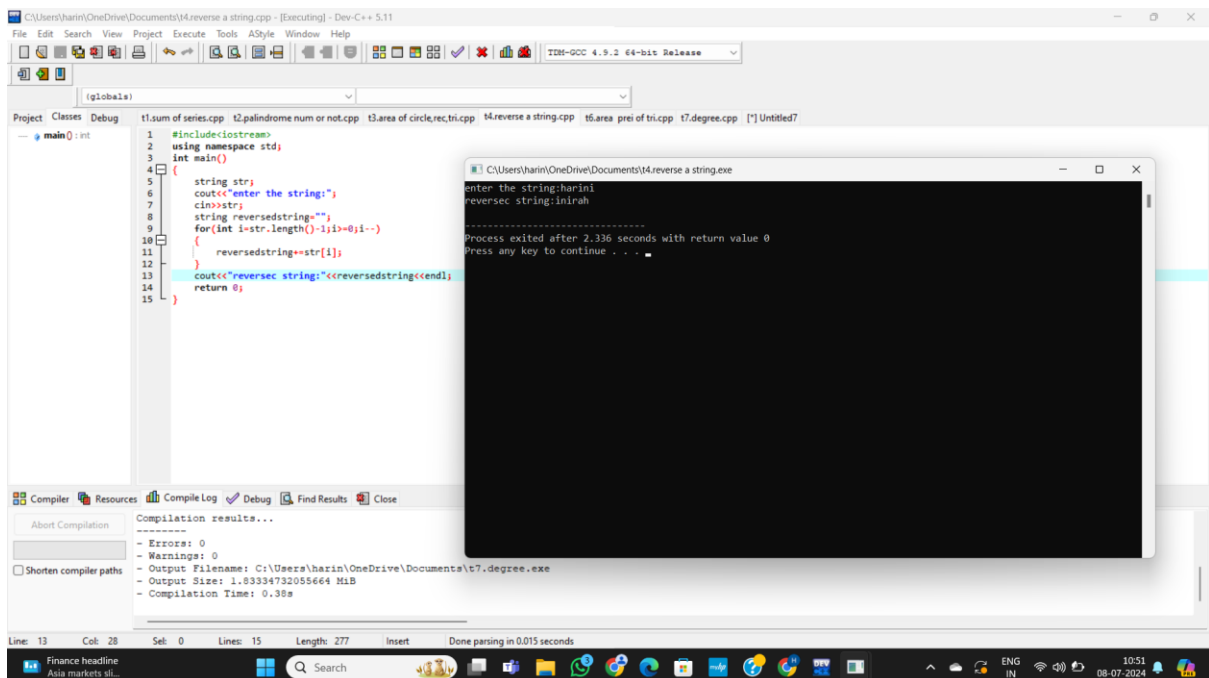
## 2.palindrome or not



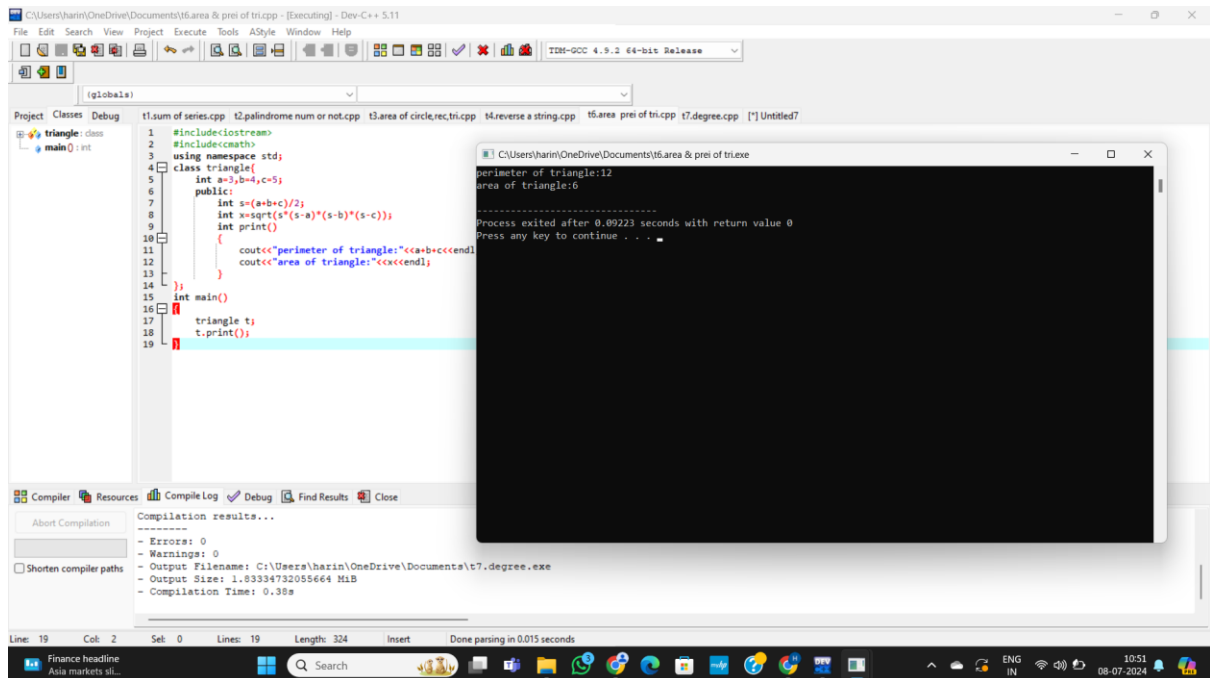
### 3.area of circle triangle and rectangle



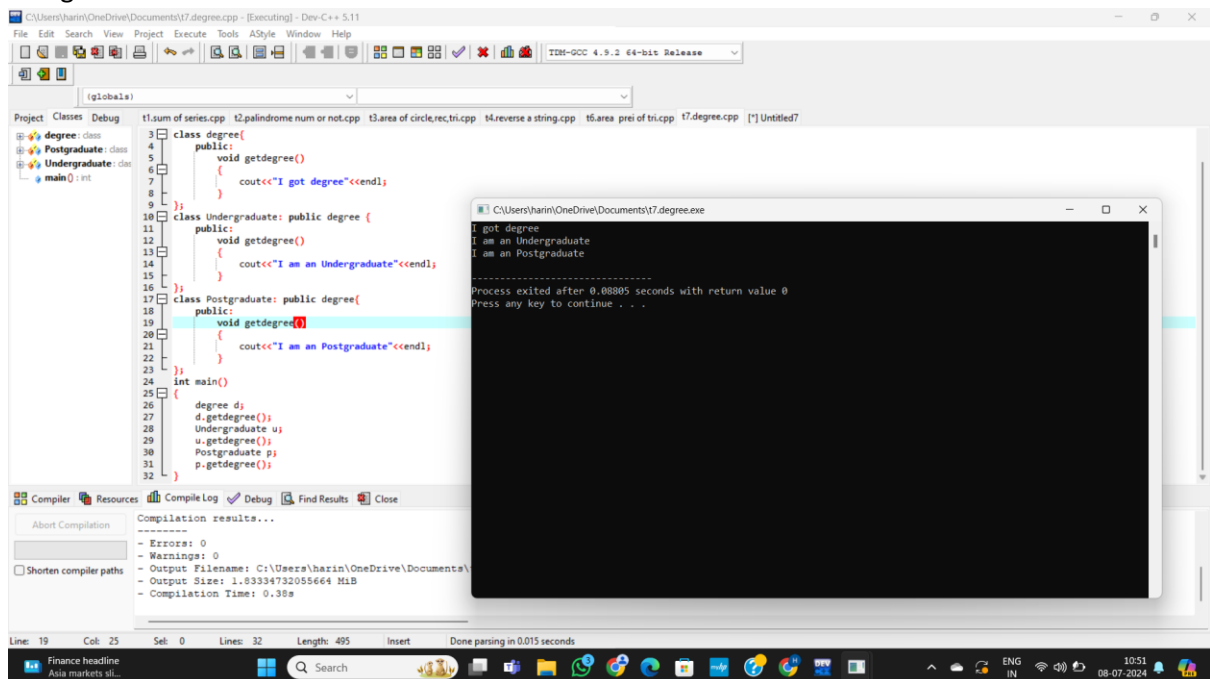
### 4.reverse a string



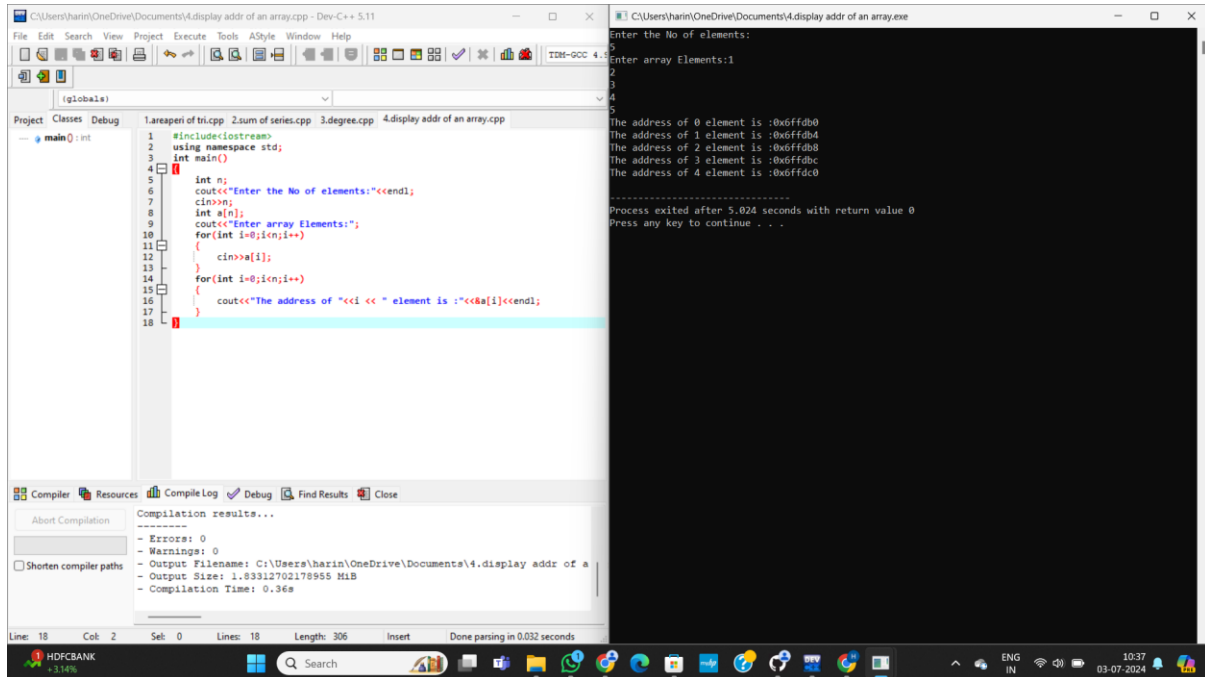
## 6.area and perimeter of a triangle



## 7.degree



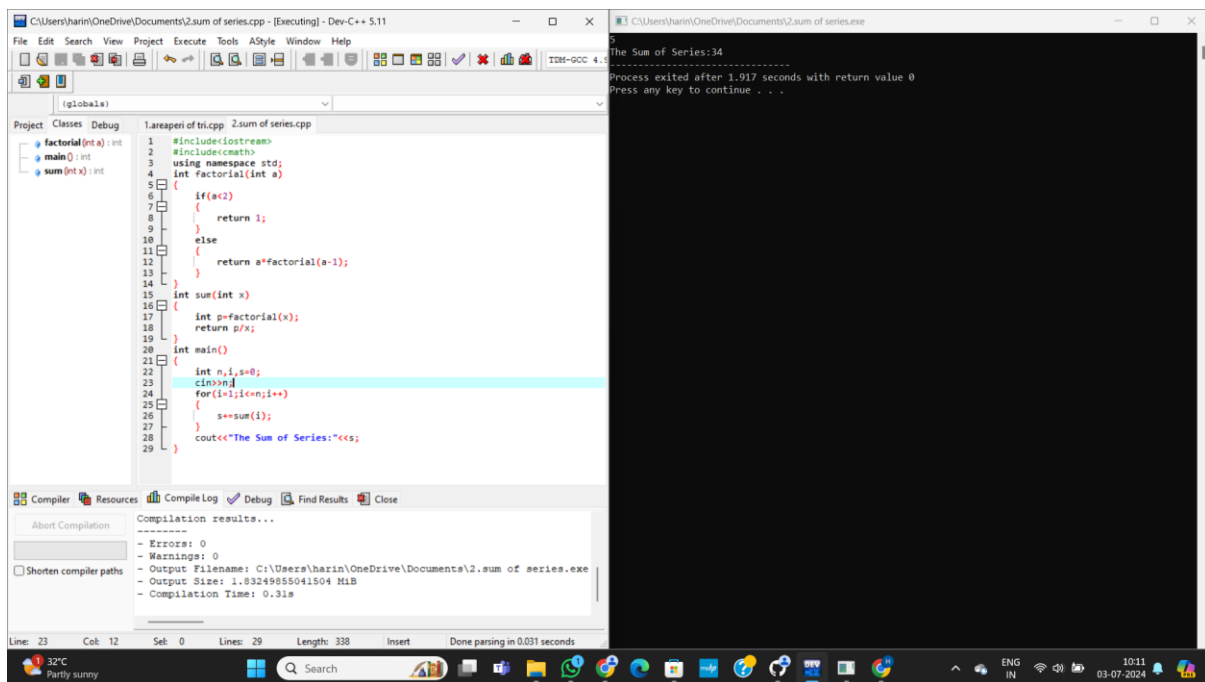
## 8.address



```
1 #include<iostream>
2 using namespace std;
3 int main()
4 {
5     int n;
6     cout<<"Enter the No of elements:"<<endl;
7     cin>>n;
8     int a[n];
9     cout<<"Enter array Elements:";
10    for(int i=0;i<n;i++)
11    {
12        cin>>a[i];
13    }
14    for(int i=0;i<n;i++)
15    {
16        cout<<"The address of "<<i<<" element is :"<<a[i]<<endl;
17    }
18 }
```

```
Enter the No of elements:
5
Enter array Elements:1
2
3
4
5
The address of 0 element is :0x6ffdb0
The address of 1 element is :0x6ffdb4
The address of 2 element is :0x6ffdb8
The address of 3 element is :0x6ffdbc
The address of 4 element is :0x6ffdc0
-----
Process exited after 5.024 seconds with return value 0
Press any key to continue . . .
```

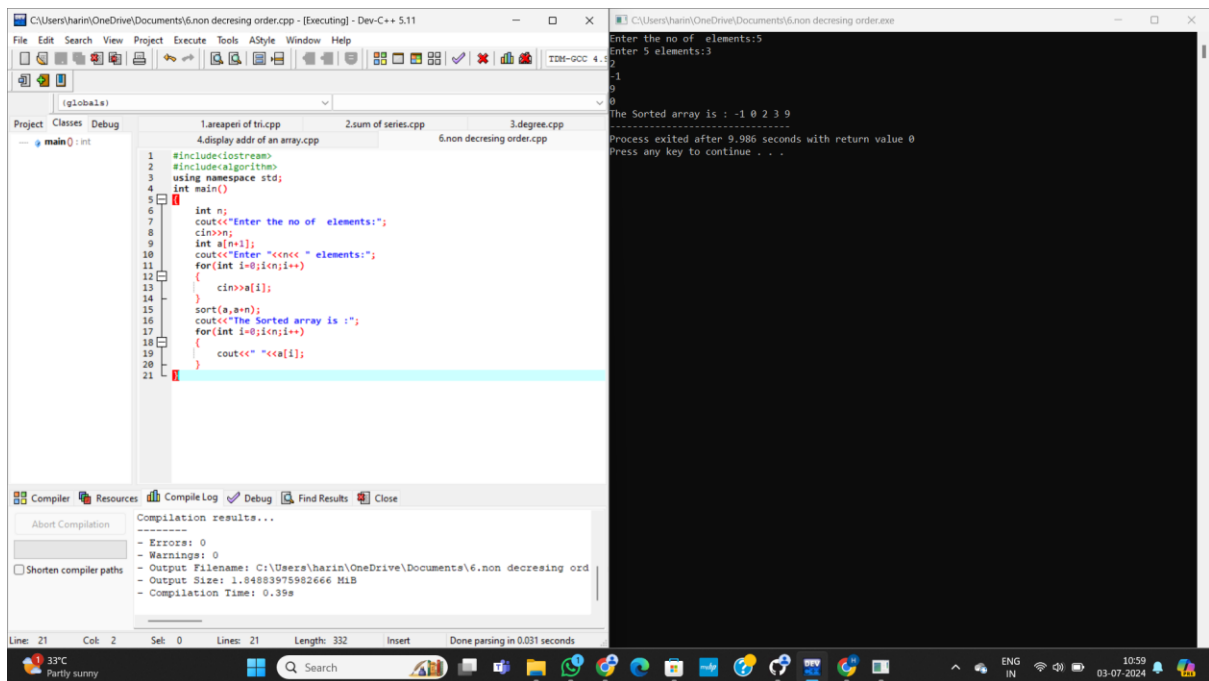
## 9.sum of series



```
1 #include<iostream>
2 #include<cmath>
3 using namespace std;
4 int factorial(int a)
5 {
6     if(a<2)
7     {
8         return 1;
9     }
10    else
11    {
12        return a*factorial(a-1);
13    }
14 }
15 int sum(int x)
16 {
17     int p=factorial(x);
18     return p/x;
19 }
20 int main()
21 {
22     int n,i,s=0;
23     cin>>n;
24     for(i=1;i<=n;i++)
25     {
26         s+=sum(i);
27     }
28     cout<<"The Sum of Series:"<<s;
29 }
```

```
The Sum of Series:34
-----
Process exited after 1.917 seconds with return value 0
Press any key to continue . . .
```

## 10.non decreasing order



The screenshot displays a C++ IDE with a project named "6.non decreasing order.cpp". The code in the editor is as follows:

```
1 #include<iostream>
2 #include<algorithm>
3 using namespace std;
4 int main()
5 {
6     int n;
7     cout<<"Enter the no of elements:";
8     cin>>n;
9     int a[n];
10    cout<<"Enter "<<n<<" elements:";
11    for(int i=0;i<n;i++)
12    {
13        cin>>a[i];
14    }
15    sort(a,a+n);
16    cout<<"The Sorted array is :";
17    for(int i=0;i<n;i++)
18    {
19        cout<<" "<<a[i];
20    }
21 }
```

The output window on the right shows the program's execution:

```
Enter the no of elements:5
Enter 5 elements:3
-1
0
2
3
9
The Sorted array is : -1 0 2 3 9
Process exited after 9.986 seconds with return value 0
Press any key to continue . . .
```

The bottom status bar indicates the current line is 21, column is 2, and the file length is 332 bytes. The system tray at the bottom shows a temperature of 33°C, a search bar, and the date 03-07-2024.