

```
1 #include<bits/stdc++.h>
2 using namespace std;
3 int main()
4 {
5     int n,fact=1;
6     cout<< ("Enter a no to find factorial: ");
7     cin >> n;
8     for(int i=1;i<=n;i++)
9     {
10         fact=fact*i;
11     }
12     cout<<fact;
13     return 0;
14 }
15
16 }
```

C:\Users\91933\Documents\factorial.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

(globals)

TDM-GCC 4.9.2 64-bit Release

Project Classes

C:\Users\91933\Documents\factorial.cpp

```
Enter a no to find factorial: 5
120
-----
Process exited after 3.47 seconds with return value 0
Press any key to continue . . .
```

Compiler

Abort Compilation

Shorten compilation time

Compilation Time: 0.94s

```
1  #include<bits/stdc++.h>
2  using namespace std;
3  int main()
4  {
5      int n,count=0;
6      cout<< ("Enter a no to check prime : ");
7      cin  >> n;
8      for(int i=1;i<=n;i++)
9      {
10         if(n%i==0)
11         {
12             count++;
13         }
14     }
15     if(count==2){
16         cout<<"Given no is prime ";
17     }
18     else{
19         cout<<"not a prime no";
20     }
21
22
23
24     return 0;
25
26 }
```

C:\Users\91933\Documents\fa x + v

Enter a no to check prime : 7

Given no is prime

-----  
Process exited after 4.982 seconds with return value 0

Press any key to continue . . .

-----  
- Errors: 0  
- Warnings: 0  
- Output Filename: C:\Users\91933\Documents\factorial.exe  
- Output Size: 1.83242321014404 MiB  
- Compilation Time: 1.00s

Line: 20 Col: 32 Sel: 0 Lines: 26 Length: 322 Insert Done parsing in 0.015 seconds

```
1 #include<bits/stdc++.h>
2 using namespace std;
3 int main()
4 {
5     string s,temp;
6     cout<< ("Enter a string to reverse ");
7     cin >> s;
8     for(int i=s.length()-1;i>=0;i--)
9     {
10         temp=s[i];
11         cout<<temp;
12     }
13     return 0;
14
15 }
```

```
C:\Users\91933\Documents\fa x + v
Enter a string to reverse Riddhi
ihddiR
-----
Process exited after 5.699 seconds with return value 0
Press any key to continue . . . |
```

☐ Shorten compiler paths

- Output Filename: C:\Users\91933\Documents\factorial.exe
- Output Size: 1.83242321014404 MiB
- Compilation Time: 0.63s



```
1 #include<bits/stdc++.h>
2 using namespace std;
3 int main()
4 {
5     int n,sum=0,digit;
6     cout<< ("Enter a no : ");
7     cin >> n;
8     while(n!=0)
9     {
10         digit=n%10;
11         sum=sum+digit;
12         n=n/10;
13     }
14     cout<<sum;
15     return 0;
16
17 }
```

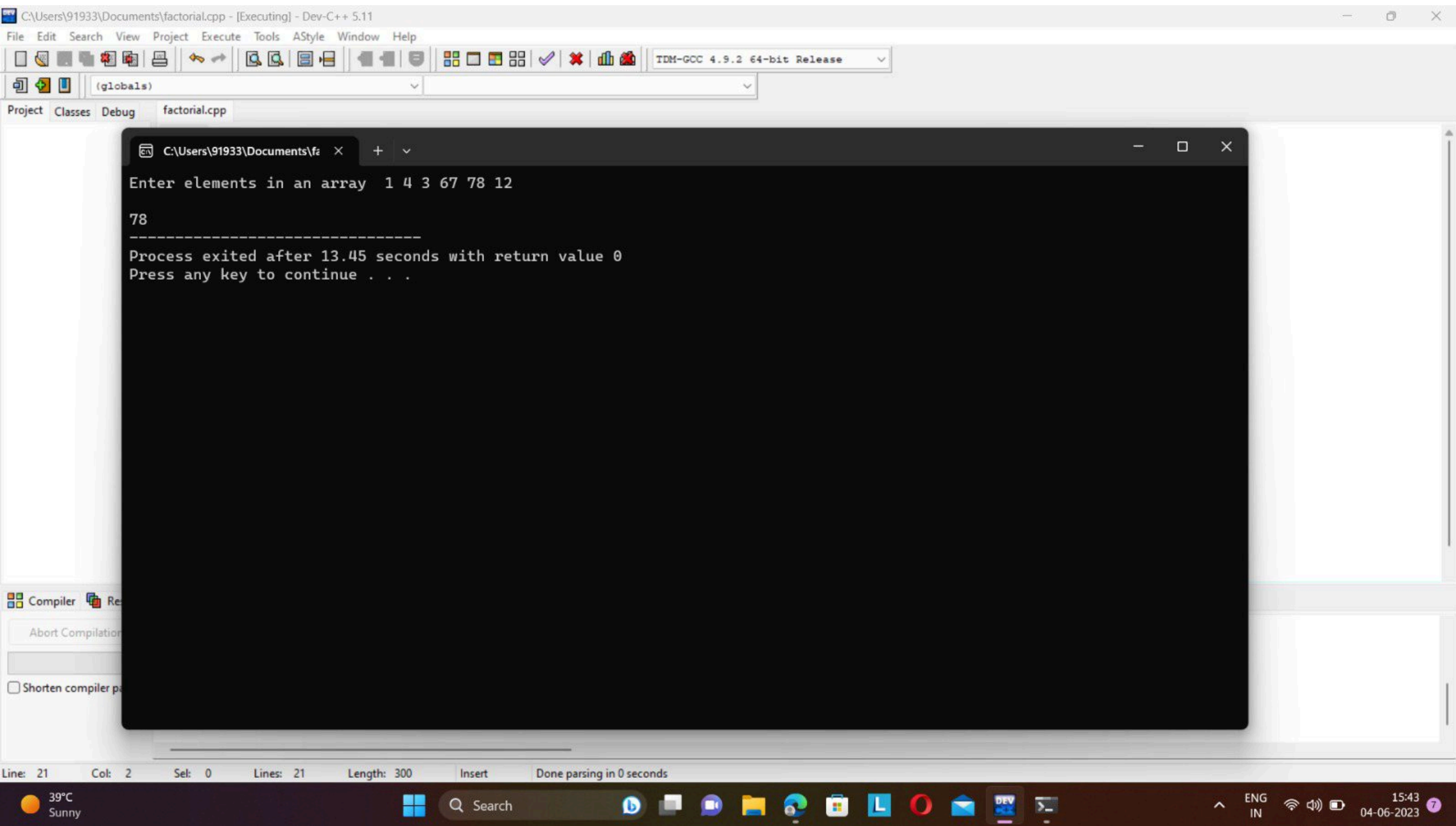
```
C:\Users\91933\Documents\fa x + v
Enter a no : 123
6
-----
Process exited after 2.987 seconds with return value 0
Press any key to continue . . .
```

-----  
- Errors: 0  
- Warnings: 0  
- Output Filename: C:\Users\91933\Documents\factorial.exe  
- Output Size: 1.83193492889404 MiB  
- Compilation Time: 0.61s

Line: 17 Col: 2 Sel: 0 Lines: 17 Length: 226 Insert Done parsing in 0 seconds



```
1 #include<bits/stdc++.h>
2 using namespace std;
3 int main()
4 {
5     int arr[6]={},i, max=arr[0];
6     cout<< ("Enter elements in an array ");
7     for(int j=0;j<6;j++)
8     {
9         cin>> arr[j];
10    }
11    cout<<endl;
12    for ( i=0;i<6;i++)
13    {
14        if(arr[i]>max){
15            max=arr[i];
16        }
17    }
18    cout<< max;
19    return 0;
20 }
21
```



```
1 #include<bits/stdc++.h>
2 using namespace std;
3 int main()
4 {
5     string s,temp="";
6     cout<<"Enter a string to check whether it is palindrome or not: ";
7     cin>>s;
8     for(int i=s.length()-1;i>=0;i--)
9     {
10         temp=temp+s[i];
11     }
12     cout<<temp<<endl;
13     if(temp==s)
14     {
15         cout<<"palindrome string ";
16     }
17     else{
18         cout<<"not a palindrome string";
19     }
20     return 0;
21 }
22 }
```



Project

```
Enter a string to check whether it is palindrome or not: madam
madam
palindrome string
-----
```

```
Process exited after 4.247 seconds with return value 0
Press any key to continue . . .
```



Abd

☐ Shorten compiler paths

```
- Warnings: 0
- Output Filename: C:\Users\91933\Documents\factorial.exe
- Output Size: 1.83776664733887 MiB
- Compilation Time: 0.92s
```

Line: 13 Col: 21 Sel: 0 Lines: 22 Length: 364 Insert Done parsing in 0.016 seconds



```
1  #include<bits/stdc++.h>
2  using namespace std;
3  int main()
4  {
5      int i,n,j,arr[10]={};
6      cout<<"enter size of array:";
7      cin>>n;
8      cout<<"enter array elements: ";
9      for(int i=0;i<n;i++)
10     {
11         cin>>arr[i];
12     }
13     for(i=0;i<n-1;i++){
14         for(j=i+1;j<n;j++){
15             if(arr[i]==arr[j])
16             {
17                 for (int k=j;k<n;k++){
18                     arr[k]=arr[k+1];
19                 }
20                 n--;
21                 j++;
22             }
23         }
24     }
25     cout<<"array after removing duplicate elements: ";
26     for(i=0;i<n;i++){
27         cout<<arr[i]<<" ";
28     }
29     return 0;
30 }
31
32 }
```

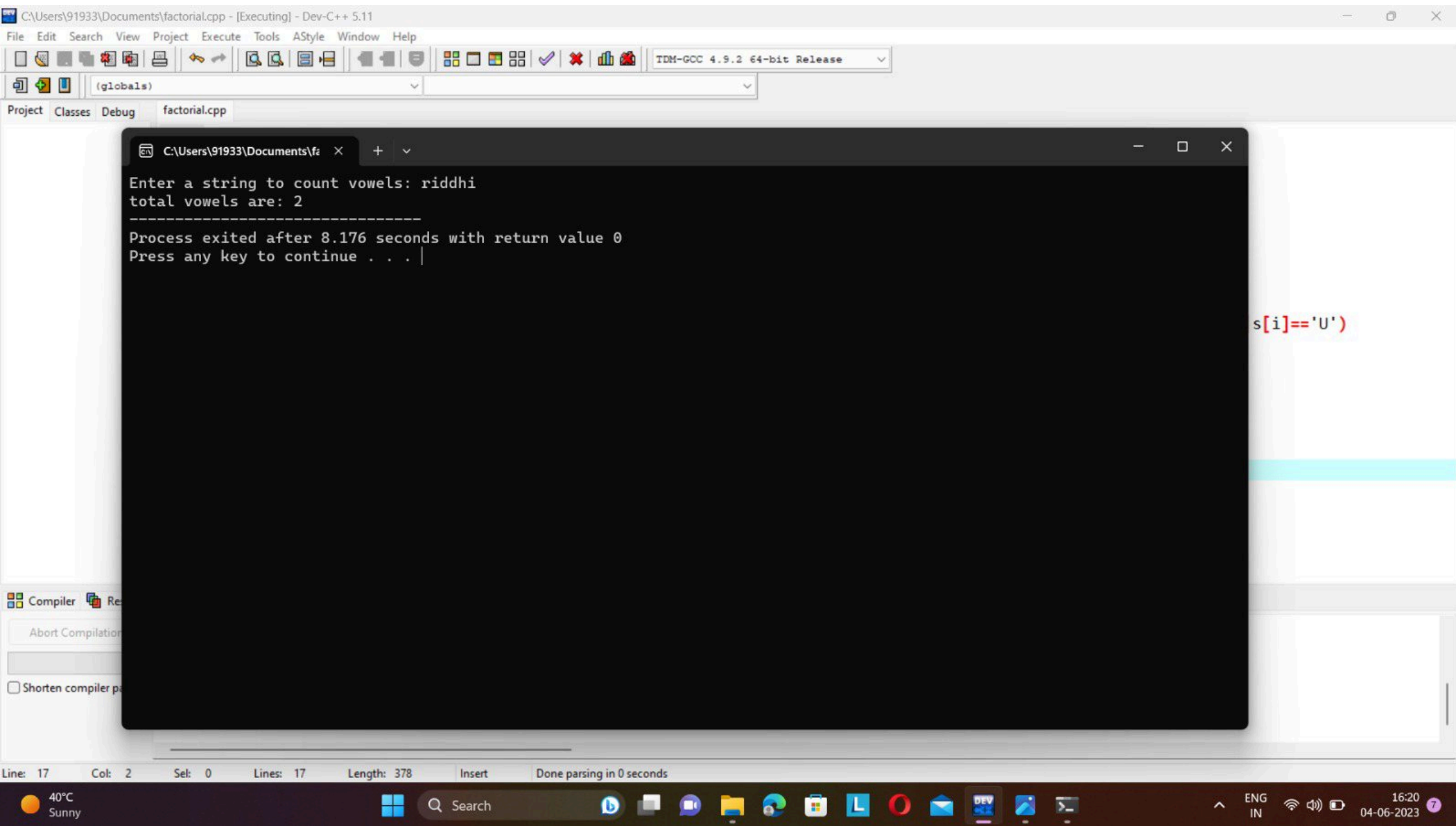
```
C:\Users\91933\Documents\fa  X + v
enter size of array:7
enter array elements: 1 3 3 4 5 6 5
array after removing duplicate elements: 1 3 4 5 6
-----
Process exited after 13.93 seconds with return value 0
Press any key to continue . . .
```

-----  
- Errors: 0  
- Warnings: 0  
- Output Filename: C:\Users\91933\Documents\factorial.exe  
- Output Size: 1.83291149139404 MiB  
- Compilation Time: 0.95s

Line: 22 Col: 21 Sel: 0 Lines: 32 Length: 504 Insert Done parsing in 0 seconds



```
1  #include<bits/stdc++.h>
2  using namespace std;
3  int main()
4  {
5      string s;int count=0;
6      cout<<"Enter a string to count vowels: ";
7      cin>>s;
8      for(int i=0;i<s.length();i++)
9      {
10         if(s[i]=='a' || s[i]=='e' || s[i]=='i' || s[i]=='o' || s[i]=='u' || s[i]=='A' || s[i]=='E' || s[i]=='I' || s[i]=='O' || s[i]=='U')
11         {
12             count=count+1;
13         }
14     }
15     cout<<"total vowels are: "<<count;
16     return 0;
17 }
```



C:\Users\91933\Documents\perfectno.cpp - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

(globals)

Project Classes Debug factorial.cpp rids.cpp perfectno.cpp

```
2  #include<bits/stdc++.h>
3  using namespace std;
4  int main()
5  {
6      int arr[6];
7      cout<<"enter 6 array element: ";
8      for (int i=0;i<6;i++)
9      {
10         cin>>arr[i];
11     }
12     int i,j;
13     for(i=0;i<6;i++){
14         for(j=i+1;j<6;j++)
15         {
16             if(arr[j]<arr[i]){
17                 arr[i]=arr[i]+arr[j];
18                 arr[j]=arr[i]-arr[j];
19                 arr[i]=arr[i]-arr[j];
20             }
21         }
22     }
23 }
24 for(int k=0;k<6;k++){
25     cout<<arr[k]<<" ";
26 }
27
28 cout<<endl;
29 cout<<"The second largest no is: "<<arr[4];
30
31 return 0;
32 }
```

Compiler Resources Compile Log Debug Find Results

Line: 28 Col: 16 Sel: 0 Lines: 32 Length: 490 Insert Done parsing in 0.016 seconds

```
enter 6 array element: 12 34 2 6 86 5
2 5 6 12 34 86
The second largest no is: 34
-----
Process exited after 32.99 seconds with return value 0
Press any key to continue . . .
```

☐ Shorten compiler paths

- Output Filename: C:\Users\91933\Documents\perfectno.exe
- Output Size: 1.83309745788574 MiB
- Compilation Time: 0.63s

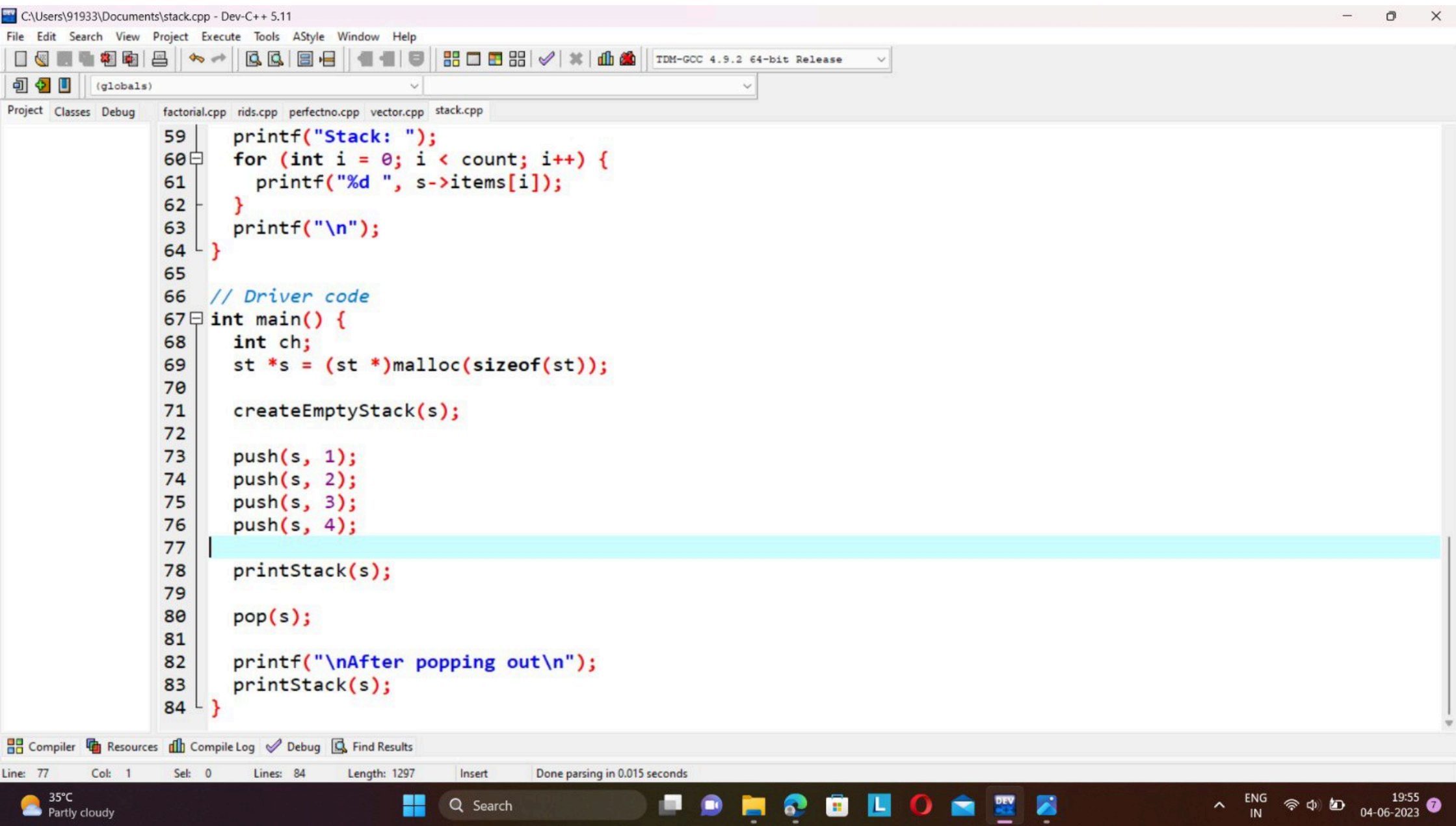
```
1  #include <bits/stdc++.h>
2
3  #define MAX 10
4
5  int count = 0;
6
7  // Creating a stack
8  struct stack {
9      int items[MAX];
10     int top;
11 };
12 typedef struct stack st;
13
14 void createEmptyStack(st *s) {
15     s->top = -1;
16 }
17
18 // Check if the stack is full
19 int isfull(st *s) {
20     if (s->top == MAX - 1)
21         return 1;
22     else
23         return 0;
24 }
25
26 // Check if the stack is empty
27 int isempty(st *s) {
```

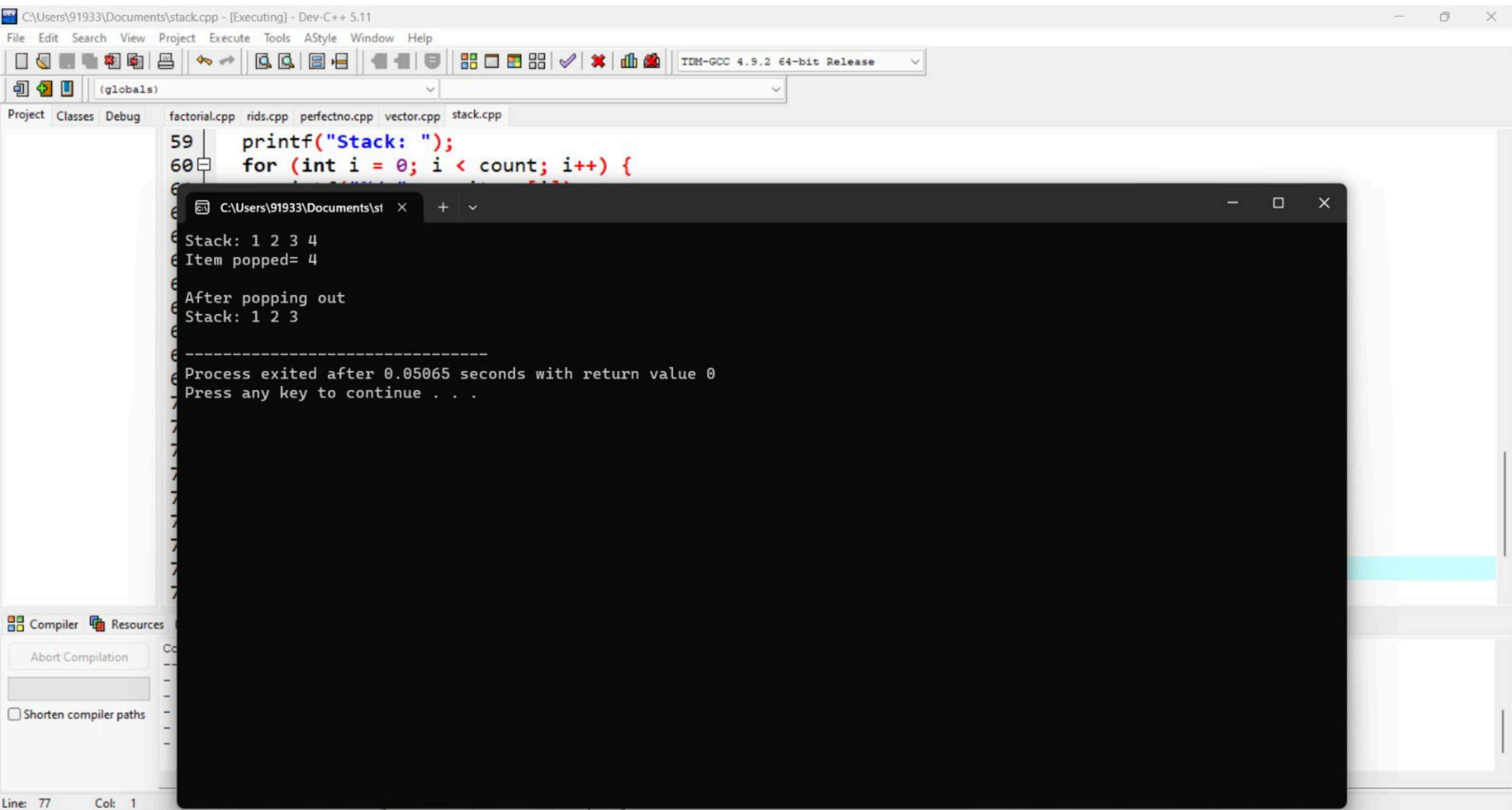


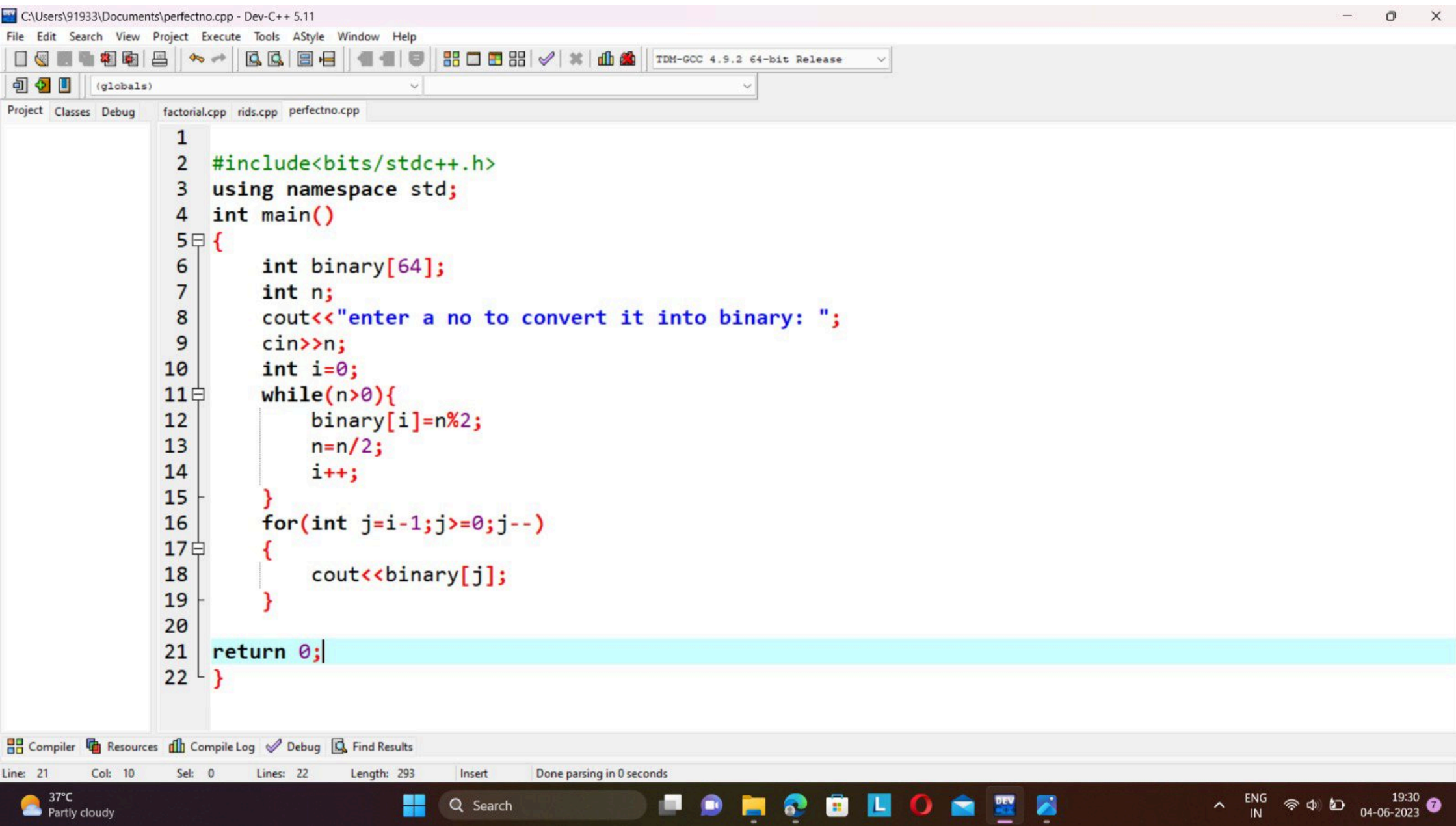
```
25
26 // Check if the stack is empty
27 int isempty(st *s) {
28     if (s->top == -1)
29         return 1;
30     else
31         return 0;
32 }
33
34 // Add elements into stack
35 void push(st *s, int newitem) {
36     if (isfull(s)) {
37         printf("STACK FULL");
38     } else {
39         s->top++;
40         s->items[s->top] = newitem;
41     }
42     count++;
43 }
44
45 // Remove element from stack
46 void pop(st *s) {
47     if (isempty(s)) {
48         printf("\n STACK EMPTY \n");
49     } else {
50         printf("Item popped= %d", s->items[s->top]);
51         s->top--;
```



```
46 void pop(st *s) {
47     if (isempty(s)) {
48         printf("\n STACK EMPTY \n");
49     } else {
50         printf("Item popped= %d", s->items[s->top]);
51         s->top--;
52     }
53     count--;
54     printf("\n");
55 }
56
57 // Print elements of stack
58 void printStack(st *s) {
59     printf("Stack: ");
60     for (int i = 0; i < count; i++) {
61         printf("%d ", s->items[i]);
62     }
63     printf("\n");
64 }
65
66 // Driver code
67 int main() {
68     int ch;
69     st *s = (st *)malloc(sizeof(st));
70
71     createEmptyStack(s);
72 }
```





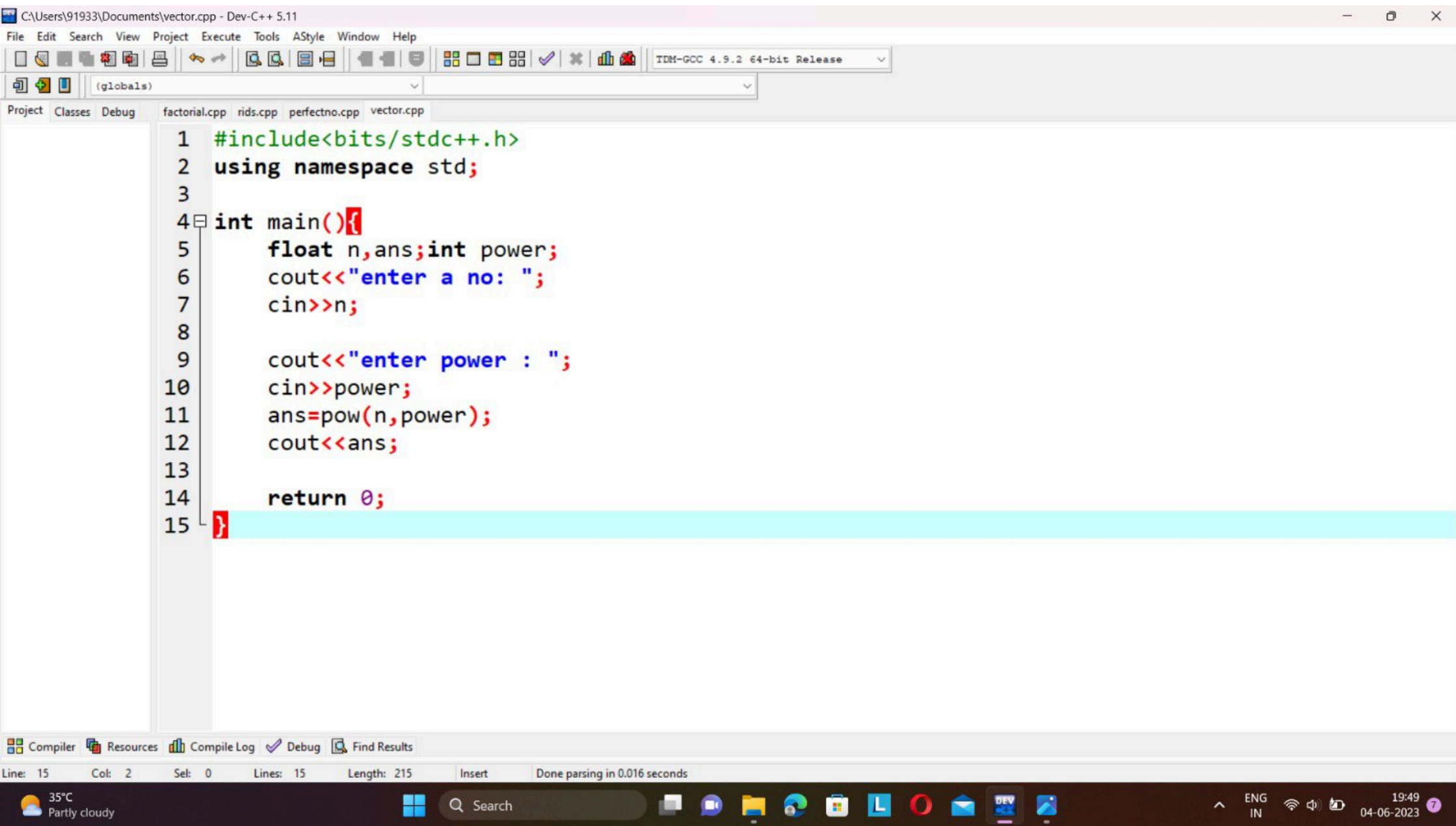


```
C:\Users\91933\Documents\p  X + v
enter a no to convert it into binary: 15
1111
-----
Process exited after 4.213 seconds with return value 0
Press any key to continue . . . |
```

-----  
- Errors: 0  
- Warnings: 0  
- Output Filename: C:\Users\91933\Documents\perfectno.exe  
- Output Size: 1.83242321014404 MiB  
- Compilation Time: 0.64s

Line: 21 Col: 10 Sel: 0 Lines: 22 Length: 293 Insert Done parsing in 0 seconds







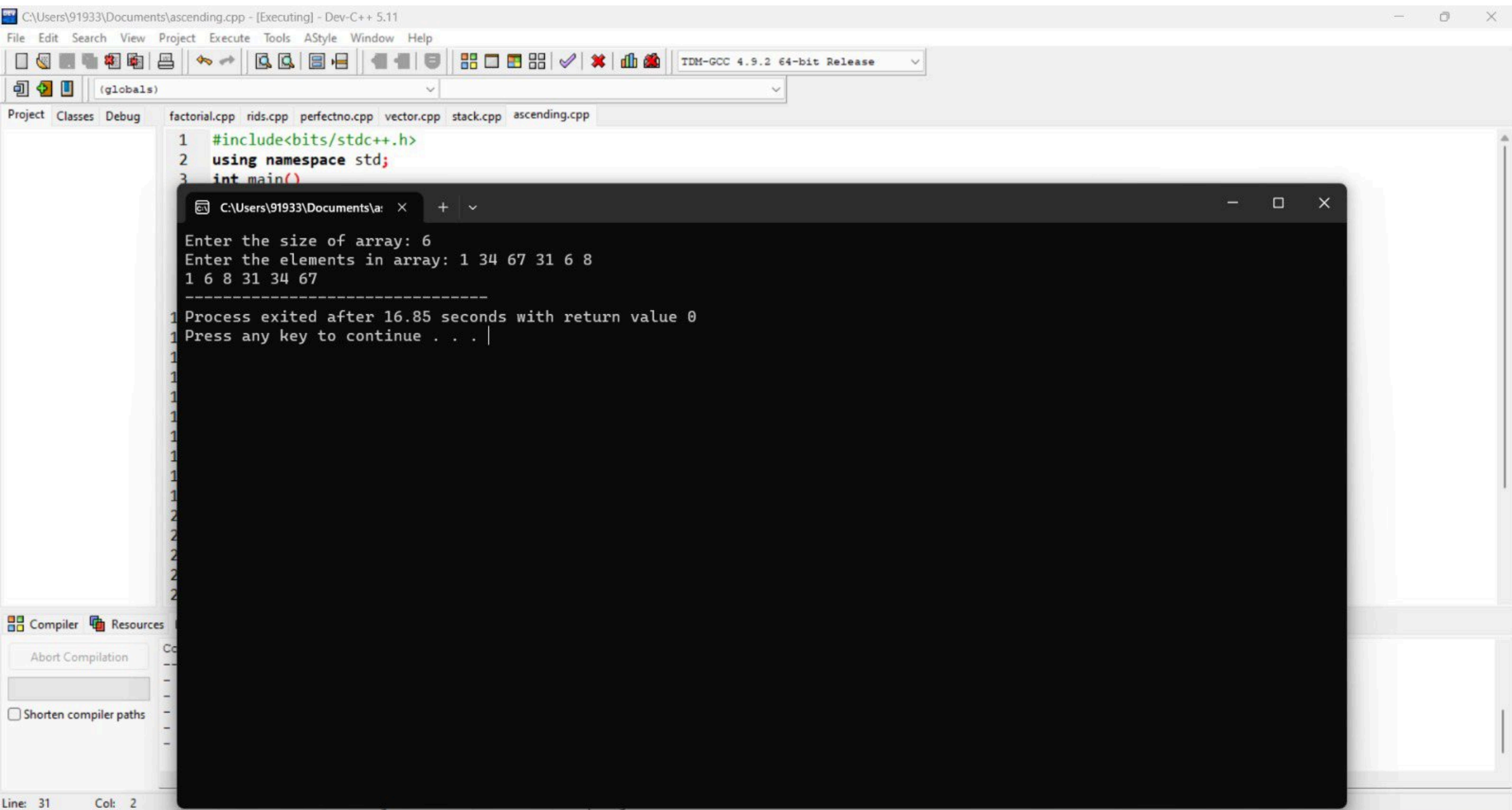
```
C:\Users\91933\Documents\vector.cpp x + -
```

```
enter a no: 3.6
enter power : 4
167.962
-----
Process exited after 6.888 seconds with return value 0
Press any key to continue . . . |
```

-----  
- Errors: 0  
- Warnings: 0  
- Output Filename: C:\Users\91933\Documents\vector.exe  
- Output Size: 1.83508205413818 MiB  
- Compilation Time: 0.64s

Line: 15 Col: 2 Sel: 0 Lines: 15 Length: 215 Insert Done parsing in 0.016 seconds

```
1  #include<bits/stdc++.h>
2  using namespace std;
3  int main()
4  {
5      int arr[100],i,j,n,temp;
6      cout<<"Enter the size of array: ";
7      cin>>n;
8      cout<<"Enter the elements in array: ";
9      for(i=0;i<n;i++)
10     {
11         cin>>arr[i];
12     }
13
14     for(i=0;i<n;i++)
15     {
16         for(j=i+1;j<n;j++)
17         {
18             if(arr[i]>arr[j])
19             {
20                 temp = arr[i];
21                 arr[i] = arr[j];
22                 arr[j] = temp;
23             }
24         }
25     }
26     for(i=0;i<n;i++)
27     {
28         cout<<arr[i]<<" ";
29     }
30     return 0;
31 }
```



C:\Users\91933\Documents\vector.cpp - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

(globals)

Project Classes Debug factorial.cpp rids.cpp perfectno.cpp vector.cpp stack.cpp

```
1 #include<bits/stdc++.h>
2 using namespace std;
3 int main()
4 {
5     int arr[100],i,n,search,count;
6     cout<<"Enter the size of array: ";
7     cin>>n;
8     cout<<"Enter the elements in array: ";
9     for(i=0;i<n;i++)
10    {
11        cin>>arr[i];
12    }
13     cout<<"Enter the seach element: ";
14     cin>>search;
15
16     count = 0;
17     for(i=0;i<n;i++)
18     {
19         if(arr[i]==search)
20         {
21             count++;
22         }
23     }
24     cout<<count;
25     return 0;
26 }
```

Compiler Resources Compile Log Debug Find Results

Line: 26 Col: 2 Sel: 0 Lines: 26 Length: 395 Insert Done parsing in 0 seconds

```
C:\Users\91933\Documents\vector.cpp
Enter the size of array: 6
Enter the elements in array: 1 22 22 3 5 4
Enter the search element: 22
2
-----
Process exited after 23.04 seconds with return value 0
Press any key to continue . . . |
```

☐ Shorten compiler paths

- Output Filename: C:\Users\91933\Documents\vector.exe
- Output Size: 1.83242321014404 MiB
- Compilation Time: 0.64s