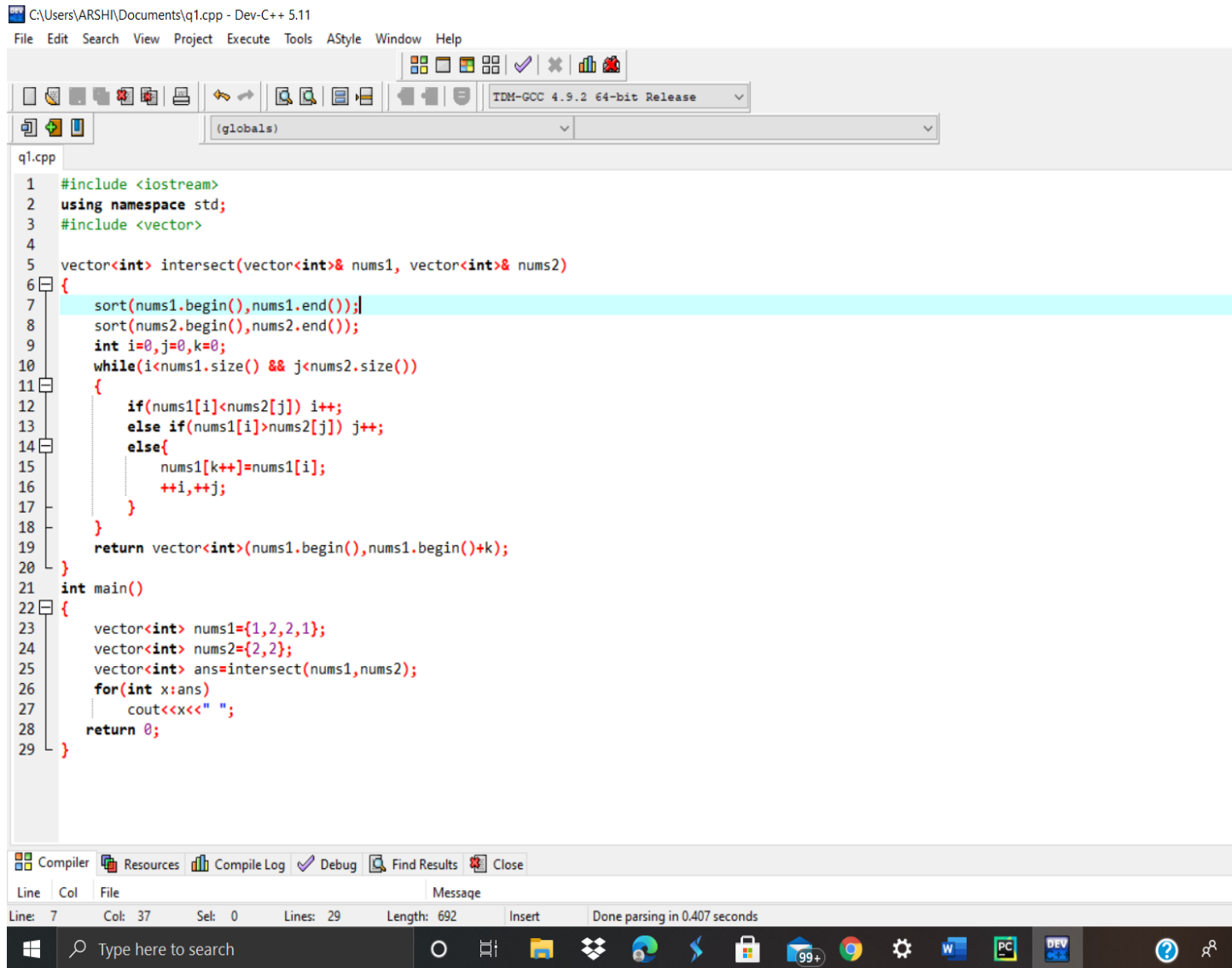


1)



The screenshot shows the Dev-C++ IDE with a C++ file named q1.cpp. The code implements a function to find the intersection of two vectors. The function 'intersect' takes two vectors, 'nums1' and 'nums2', and returns a new vector containing the common elements. It uses sorting and a two-pointer technique to achieve this. The 'main' function initializes two vectors, 'nums1' and 'nums2', with specific values, calls the 'intersect' function, and prints the result.

```
1 #include <iostream>
2 using namespace std;
3 #include <vector>
4
5 vector<int> intersect(vector<int>& nums1, vector<int>& nums2)
6 {
7     sort(nums1.begin(), nums1.end());
8     sort(nums2.begin(), nums2.end());
9     int i=0, j=0, k=0;
10    while(i<nums1.size() && j<nums2.size())
11    {
12        if(nums1[i]<nums2[j]) i++;
13        else if(nums1[i]>nums2[j]) j++;
14        else{
15            nums1[k++]=nums1[i];
16            ++i, ++j;
17        }
18    }
19    return vector<int>(nums1.begin(), nums1.begin()+k);
20 }
21 int main()
22 {
23     vector<int> nums1={1,2,2,1};
24     vector<int> nums2={2,2};
25     vector<int> ans=intersect(nums1, nums2);
26     for(int x:ans)
27         cout<<x<<" ";
28     return 0;
29 }
```

2)

The screenshot shows a C++ IDE with a file named `q1.cpp` open. The code implements a linked list reversal algorithm. The `Node` struct contains an `int data` and a `struct Node* next`. The `LinkedList` struct contains a `Node* head`. The `interReverseLL()` function reverses the linked list by iterating through it and reversing the pointers. The `print()` function prints the data of each node. The output window shows the original linked list `9 32 65 10 85` and the reversed linked list `85 10 65 32 9`. The process exited after 0.1855 seconds with return value 0.

```
1 #include <stdio.h>
2 struct Node {
3     int data;
4     struct Node* next;
5     Node(int data) {
6         this->data = data;
7         next = NULL;
8     }
9 };
10 struct LinkedList {
11     Node* head;
12     LinkedList() {
13         head = NULL;
14     }
15     void interReverseLL() {
16         Node* current = head;
17         Node *prev = NULL, *after = NULL;
18         while (current != NULL) {
19             after = current->next;
20             current->next = prev;
21             prev = current;
22             current = after;
23         }
24         head = prev;
25     }
26     void print() {
27         struct Node* temp = head;
28         while (temp != NULL) {
29             printf("%d ", temp->data);
30             temp = temp->next;
31         }
32         printf("\n");
33     }
34 }
```

Output:

```
Linked List : 9 32 65 10 85
Reverse Linked List : 85 10 65 32 9

Process exited after 0.1855 seconds with return value 0
Press any key to continue . . .
```

- 1)ofstream
- 2)ifstream
- 3)fstream
- 4)ios::stream
- 5)If the file is opened for output operations and it already existed, its previous content is deleted and replaced by the new one.
- 6)myfile.open ("example.bin", ios::out);
- 7)myfile.close();