# LAB#4

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**Course: Data Structure And Algorithem** 

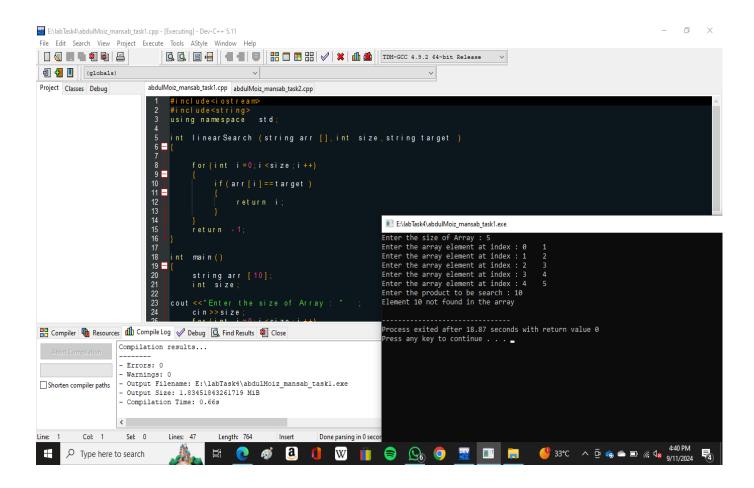
**Submitted To: Mr. Shahzad Ahmed Khan** 

# TASK#1

#### CASE 1:

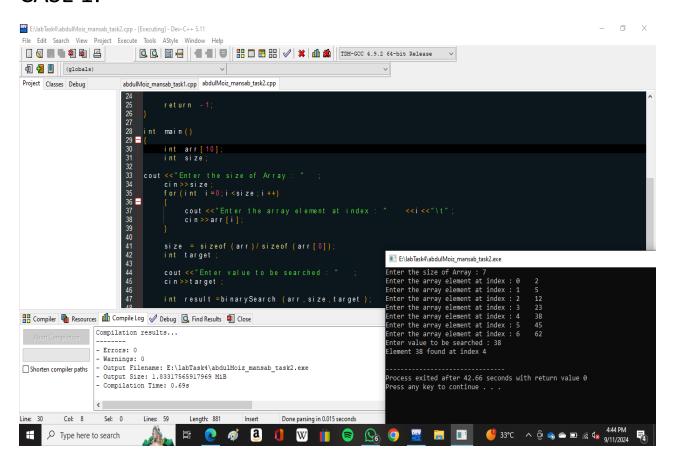
```
- o ×
E:\labTask4\abdulMoiz_mansab_task1.cpp - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
(globals)
Project Classes Debug
                                  abdulMoiz_mansab_task1.cpp abdulMoiz_mansab_task2.cpp
                                        #include<iostream>
#include<string>
using namespace std;
                                  int linearSearch (string arr [], int size, string target )
                                                       if ( arr [ i ] == t arget )
                                                                                                              E:\labTask4\abdulMoiz_mansab_task1.exe
                                                                                                             Enter the size of Array: 6
Enter the array element at index: 0
Enter the array element at index: 0
Enter the array element at index: 2
Enter the array element at index: 3
Enter the array element at index: 3
Enter the array element at index: 4
Enter the array element at index: 5
Enter the product to be search: 23
Element 23 found at index 2
                                         int main()
                                                string arr [10]
int size;
                                                                                                             Process exited after 42.42 seconds with return value 0
Press any key to continue . . .
🔡 Compiler 🖣 Resources 🛍 Compile Log 🤣 Debug 🗓 Find Results 🛍 Close
                         Compilation results...
                          - Errors: 0
                         - Warnings: 0 - Output Filename: E:\labTask4\abdulMoiz mansab taskl.exe
Shorten compiler paths
                         - Output Size: 1.83451843261719 MiB - Compilation Time: 0.67s
                          <
              Col: 1
                                        Lines: 47
                                                       Length: 764
                                                                                        Done parsing in 0 seconds
                                                                                                            Type here to search
                                                                             a
                                                                                            W
```

#### CASE 2:



# TASK#2

## **CASE 1:**



### CASE 2:

