```
"D:\My Data\FILES\LAB File DS\Q1.exe"
Enter 10 elements in array:
Enter 1 element: 11
Enter 2 element: 12
Enter 3 element: 23
Enter 4 element: 34
Enter 5 element: 45
Enter 6 element: 56
Enter 7 element: 67
Enter 8 element: 78
Enter 9 element: 89
Enter 10 element: 90
Entered elements are:
1 element: 11
2 element: 12
3 element: 23
4 element: 34
5 element: 45
6 element: 56
7 element: 67
8 element: 78
9 element: 89
10 element: 90
```

```
"D:\My Data\FILES\LAB File DS\Q2.exe"
Input 10 elements in the array:
Enter 1 element: 11
Enter 2 element: 12
Enter 3 element: 23
Enter 4 element: 34
Enter 5 element: 45
Enter 6 element: 56
Enter 7 element: 67
Enter 8 element: 78
Enter 9 element: 89
Enter 10 element: 90
Input the position where to delete: 6
The new list is : 11 12 23 34 45 67 78 89 90
```

```
C:\Users\chira\OneDrive\Desktop\Untitled2.exe
15 pushed to stack
25 pushed to stack
35 pushed to stack
35 popped from stack
Process returned 0 (0x0) execution time : 6.128 s
Press any key to continue.
```

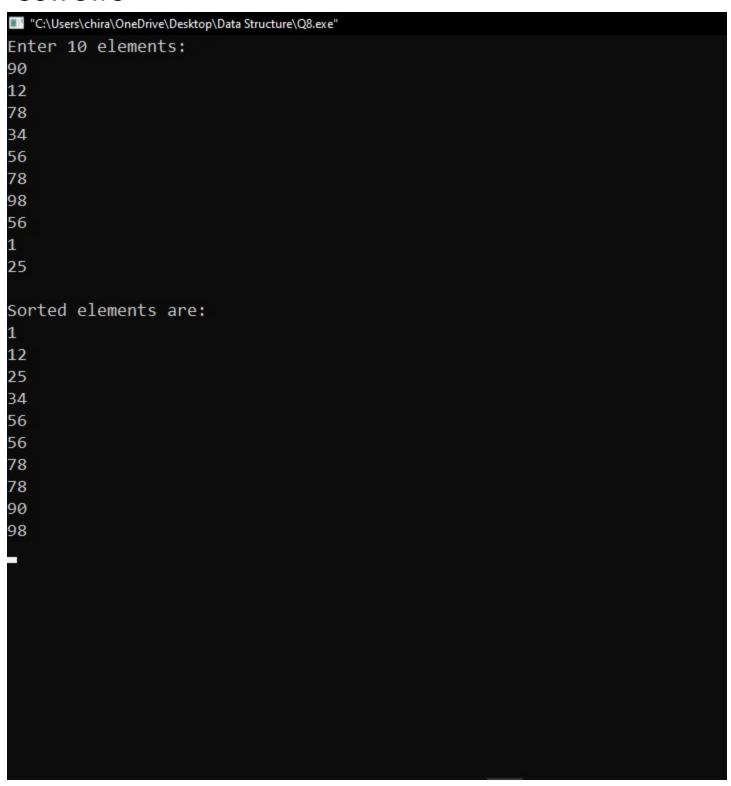
```
"D:\My Data\FILES\LAB File DS\QUIK01.exe"
Choose one from the below options:
              2.Delete
1.Insert
3.Display 4.Quit
Enter your choice : 1
Inset the element in queue : 23
Choose one from the below options:
1.Insert
              2.Delete
3.Display 4.Quit
Enter your choice : 1
Inset the element in queue : 45
Choose one from the below options:
1.Insert
               2.Delete
3.Display 4.Quit
Enter your choice : 1
Inset the element in queue : 67
Choose one from the below options:
               2.Delete
1.Insert
             4.Quit
3.Display
Enter your choice : 2
Element deleted from queue is : 23
Choose one from the below options:
1.Insert
               2.Delete
3.Display
              4.Quit
Enter your choice : 3
Queue elements are:
45 67
Choose one from the below options:
               2.Delete
1.Insert
3.Display
           4.Quit
Enter your choice : 4
Exit_
```

```
"D:\My Data\FILES\LAB File DS\Stack.exe"
Chose one from the below options...
1.Push 2.Pop
3.Show 4.Exit
Enter your choice: 1
Enter the value: 23
Item pushed
Chose one from the below options...
1.Push 2.Pop
3.Show 4.Exit
Enter your choice: 1
Enter the value: 34
Item pushed
Chose one from the below options...
1.Push 2.Pop
3.Show 4.Exit
Enter your choice: 1
Enter the value: 45
Item pushed
Chose one from the below options...
1.Push 2.Pop
3.Show 4.Exit
Enter your choice: 2
Item popped
Chose one from the below options...
1.Push 2.Pop
3.Show 4.Exit
Enter your choice: 3
Printing Stack elements
34 23
Chose one from the below options...
1.Push 2.Pop
3.Show 4.Exit
Enter your choice: 4
Exiting....
```

_ . . _

OUTPUT: 6
"C:\Users\chira\OneDrive\Desktop\Data Structure\Q6.exe"
The linked list is:
5 8 9 4 7

```
"C:\Users\chira\OneDrive\Desktop\Data Structure\Q7.exe"
Enter the 5 elements to be sorted:
67
457
54
31
After applying quick sort
3 31 54 67 457
```





```
"C:\Users\chira\OneDrive\Desktop\Data Structure\Q10.exe"
Enter number of elements: 5
Enter 5 integers
1 integer: 89
2 integer: 34
3 integer: 23
4 integer: 69
5 integer: 84
Enter value to find: 23
23 found at location 3
```