```
A)
dubejz@compile:~/lab7
[dubejz@compile lab7]$ ./lab7
List Operations
1.Append
2.Push
3.Display
4.Size
5.Delete
6.Exit
Enter your choice: 1
Enter the number to append: 10
List Operations
1.Append
2.Push
Display
4.Size
5.Delete
6.Exit
Enter your choice: 3
Element(s) in the list are : 10
```

B)

Jordan Dube

Task 1:

```
List Operations
1.Append
2.Push
3.Display
4.Size
5.Delete
6.Exit
Enter your choice: 1
Enter the number to append: 10
List Operations
1.Append
2.Push
3.Display
4.Size
5.Delete
6.Exit
Enter your choice: 3
Element(s) in the list are : 10
List Operations
1.Append
2.Push
3.Display
4.Size
5.Delete
6.Exit
Enter your choice: 4
Size of the list is 1
```

C)

```
List Operations
1.Append
2.Push
3.Display
4.Size
5.Delete
6.Exit
Enter your choice : 1
Enter the number to append: 20
List Operations
1.Append
2.Push
3.Display
4.Size
5.Delete
6.Exit
Enter your choice : 1
Enter the number to append: 30
List Operations
1.Append
2.Push
Display
4.Size
5.Delete
6.Exit
Enter your choice: 3
Element(s) in the list are: 10 20 30
```

D)

```
2.Push
Display
4.Size
5.Delete
6.Exit
Enter your choice : 1
Enter the number to append: 20
List Operations
1.Append
2.Push
3.Display
4.Size
5.Delete
6.Exit
Enter your choice: 1
Enter the number to append: 30
List Operations
_____
1.Append
2.Push
3.Display
4.Size
5.Delete
6.Exit
Enter your choice: 3
Element(s) in the list are: 10 20 30
List Operations
1.Append
2.Push
3.Display
4.Size
5.Delete
6.Exit
Enter your choice: 4
Size of the list is 3
```

A)

```
[dubejz@compile lab7]$ gcc -g lab7.c -o lab7
[dubejz@compile lab7]$ ./lab7
List Operations
1.Append
2.Push
3.Display
4.Size
5.Delete
6.Exit
Enter your choice : 2
Enter the number to push: 10
List Operations
1.Append
2.Push
3.Display
4.Size
5.Delete
6.Exit
Enter your choice : 3
Element(s) in the list are : 10
```

B)

```
List Operations
1.Append
2.Push
3.Display
4.Size
5.Delete
6.Exit
Enter your choice: 2
Enter the number to push : 10
List Operations
1.Append
2.Push
3.Display
4.Size
5.Delete
6.Exit
Enter your choice: 3
Element(s) in the list are: 10
List Operations
1.Append
2.Push
3.Display
4.Size
5.Delete
6.Exit
Enter your choice: 4
Size of the list is 1
```

C)

```
2.Push
3.Display
4.Size
5.Delete
6.Exit
Enter your choice: 2
Enter the number to push : 20
List Operations
1.Append
2.Push
3.Display
4.Size
5.Delete
6.Exit
Enter your choice: 1
Enter the number to append: 30
List Operations
1.Append
2.Push
3.Display
4.Size
5.Delete
6.Exit
Enter your choice: 2
Enter the number to push: 40
List Operations
1.Append
2.Push
3.Display
4.Size
5.Delete
6.Exit
Enter your choice: 3
Element(s) in the list are: 40 20 10 30
```

```
2.Push
3.Display
4.Size
5.Delete
6.Exit
Enter your choice: 1
Enter the number to append: 30
List Operations
1.Append
2.Push
3.Display
4.Size
5.Delete
6.Exit
Enter your choice: 2
Enter the number to push : 40
List Operations
1.Append
2.Push
3.Display
4.Size
5.Delete
6.Exit
Enter your choice: 3
Element(s) in the list are: 40 20 10 30
List Operations
1.Append
2.Push
3.Display
4.Size
5.Delete
6.Exit
Enter your choice: 4
Size of the list is 4
```

```
List Operations
1.Append
2.Push
3.Display
4.Size
5.Delete
6.Exit
Enter your choice : 2
Enter the number to push: 10
List Operations
1.Append
2.Push
3.Display
4.Size
5.Delete
6.Exit
Enter your choice : 3
Element(s) in the list are: 10
```

B)

```
List Operations
1.Append
2.Push
3.Display
4.Size
5.Delete
6.Exit
Enter your choice: 3
Element(s) in the list are: 10
List Operations
==========
1.Append
2.Push
Display
4.Size
5.Delete
6.Exit
Enter your choice: 5
Enter the number to delete : 10
10 deleted successfully
List Operations
1.Append
2.Push
Display
4.Size
5.Delete
6.Exit
Enter your choice: 3
List is Empty
```

C)

```
List Operations
1.Append
2.Push
3.Display
4.Size
5.Delete
6.Exit
Enter your choice : 1
Enter the number to append: 20
List Operations
1.Append
2.Push
3.Display
4.Size
5.Delete
6.Exit
Enter your choice : 3
Element(s) in the list are : 20
```

D)

```
List Operations
1.Append
2.Push
3.Display
4.Size
5.Delete
6.Exit
Enter your choice: 3
Element(s) in the list are: 20
List Operations
1.Append
2.Push
3.Display
4.Size
5.Delete
6.Exit
Enter your choice : 5
Enter the number to delete : 20
20 deleted successfully
List Operations
1.Append
2.Push
3.Display
4.Size
5.Delete
6.Exit
Enter your choice: 3
List is Empty
```

E)

```
4.Size
5.Delete
6.Exit
Enter your choice: 2
Enter the number to push: 20
List Operations
1.Append
2.Push
3.Display
4.Size
5.Delete
6.Exit
Enter your choice: 5
Enter the number to delete: 20
20 deleted successfully
List Operations
1.Append
2.Push
3.Display
4.Size
5.Delete
6.Exit
Enter your choice: 5
Enter the number to delete: 10
10 deleted successfully
List Operations
1.Append
2.Push
3.Display
4.Size
5.Delete
6.Exit
Enter your choice: 3
Element(s) in the list are : 20
```

```
Display
4.Size
5.Delete
6.Exit
Enter your choice: 1
Enter the number to append: 20
List Operations
=========
1.Append
2.Push
3.Display
4.Size
5.Delete
6.Exit
Enter your choice : 2
Enter the number to push: 10
List Operations
1.Append
2.Push
3.Display
4.Size
5.Delete
6.Exit
Enter your choice: 5
Enter the number to delete: 20
20 deleted successfully
List Operations
1.Append
2.Push
3.Display
4.Size
5.Delete
6.Exit
Enter your choice: 3
Element(s) in the list are: 10 10 20
```

```
2.Push
Display
4.Size
5.Delete
6.Exit
Enter your choice: 1
Enter the number to append: 20
List Operations
1.Append
2.Push
3.Display
4.Size
5.Delete
6.Exit
Enter your choice: 2
Enter the number to push: 10
List Operations
_____
1.Append
2.Push
3.Display
4.Size
5.Delete
6.Exit
Enter your choice: 5
Enter the number to delete: 20
20 deleted successfully
List Operations

    Append

2.Push
Display
4.Size
5.Delete
6.Exit
Enter your choice: 6
==20210==
==20210== HEAP SUMMARY:
==20210== in use at exit: 0 bytes in 0 blocks
==20210== total heap usage: 4 allocs, 4 frees, 64 bytes allocated
==20210==
==20210== All heap blocks were freed -- no leaks are possible
==20210==
==20210== For lists of detected and suppressed errors, rerun with: -s
==20210== ERROR SUMMARY: 0 errors from 0 contexts (suppressed: 0 from 0)
```