LAB ASSIGNMENT 3

Q1. Write a menu based program to create a linked list. Sample execution is shown as below:

1>insert at beginning

2>insert at end

3>insert at a position

4>insert before an element

5>insert after an element

6>display

7>search element

8>exit

Enter choice: 1

Enter data: 10

1>insert at beginning

2>insert at end

3>insert at a position

4>insert before an element

5>insert after an element

6>display

7>search element

8>exit

Enter choice: 6

The elements in the list are:

10

1>insert at beginning

2>insert at end

3>insert at a position

4>insert before an element

5>insert after an element

6>display

7>search element

8>exit

Enter choice: 1

Enter data: 5

1>insert at beginning

2>insert at end

3>insert at a position

4>insert before an element

5>insert after an element

6>display

7>search element

8>exit

Enter choice: 6

The elements in the list are:

5

10

1>insert at beginning

2>insert at end

3>insert at a position

4>insert before an element

5>insert after an element

6>display

7>search element

8>exit

Enter choice: 2

Enter data: 15

1>insert at beginning

2>insert at end

3>insert at a position

4>insert before an element

5>insert after an element

6>display

7>search element

8>exit

Enter choice:6

5

10

15

1>insert at beginning

2>insert at end

3>insert at a position

4>insert before an element

5>insert after an element

6>display

7>search element

8>exit

Enter choice:3

Enter position: 2

Enter data: 7

1>insert at beginning

2>insert at end

3>insert at a position

4>insert before an element

5>insert after an element

6>display

7>search element

8>exit

Enter choice:6

5

7

10

15

1>insert at beginning

2>insert at end

3>insert at a position

4>insert before an element

5>insert after an element

6>display

7>search element

8>exit

Enter choice:4

Enter element : 7

Enter data:6

1>insert at beginning

2>insert at end

3>insert at a position

4>insert before an element

5>insert after an element

6>display

7>search element

8>exit

Enter choice:6

5

6

7

10

15

1>insert at beginning

2>insert at end

3>insert at a position

4>insert before an element

5>insert after an element

6>display

7>search element

8>exit

Enter choice:8