Outputs of lab 6

```
1. Create a list
2. Display the list
3. Insert node at the beginning
4. Insert node at the end
5. Insert node at any specified position
6. Delete node from the beginning
7. Delete node from the end
8. Delete node from any specified position
9. Exit
Enter your choice: 1

Enter the value for the node: 3

1. Create a list
2. Display the list
3. Insert node at the beginning
4. Insert node at the end
5. Insert node at any specified position
6. Delete node from the beginning
7. Delete node from the end
8. Delete node from any specified position
9. Exit
Enter your choice: 3

Enter the value for the node: 4

1. Create a list
2. Display the list
3. Insert node at the beginning
4. Insert node at the end
5. Insert node at any specified position
6. Delete node from the beginning
```

```
Enter the value for the node: 4

 1. Create a list
 2. Display the list
 3. Insert node at the beginning
 4. Insert node at the end
 5. Insert node at any specified position
 6. Delete node from the beginning
 7. Delete node from the end
 8. Delete node from any specified position
 9. Exit
Enter your choice: 4

Enter the value for the node: 7

 1. Create a list
 2. Display the list
 3. Insert node at the beginning
 4. Insert node at the end
 5. Insert node at any specified position
 6. Delete node from the beginning
 7. Delete node from the end
 8. Delete node from any specified position
 9. Exit
Enter your choice: 2

 The List elements are:
4  3  7
 1. Create a list
 2. Display the list
 3. Insert node at the beginning
 4. Insert node at the end
```

```
 The List elements are:
4   3   7
 1. Create a list
 2. Display the list
 3. Insert node at the beginning
 4. Insert node at the end
 5. Insert node at any specified position
 6. Delete node from the beginning
 7. Delete node from the end
 8. Delete node from any specified position
 9. Exit
 Enter your choice: 4

Enter the value for the node: 8

 1. Create a list
 2. Display the list
 3. Insert node at the beginning
 4. Insert node at the end
 5. Insert node at any specified position
 6. Delete node from the beginning
 7. Delete node from the end
 8. Delete node from any specified position
 9. Exit
 Enter your choice: 2

 The List elements are:
4   3   7   8
 1. Create a list
 2. Display the list
 3. Insert node at the beginning
 4. Insert node at the end
```

```
 4. Insert node at the end
 5. Insert node at any specified position
 6. Delete node from the beginning
 7. Delete node from the end
 8. Delete node from any specified position
 9. Exit
 Enter your choice: 6

The deleted element is :   4
 1. Create a list
 2. Display the list
 3. Insert node at the beginning
 4. Insert node at the end
 5. Insert node at any specified position
 6. Delete node from the beginning
 7. Delete node from the end
 8. Delete node from any specified position
 9. Exit
 Enter your choice: 2

 The List elements are:
3  7  8
 1. Create a list
 2. Display the list
 3. Insert node at the beginning
 4. Insert node at the end
 5. Insert node at any specified position
 6. Delete node from the beginning
 7. Delete node from the end
 8. Delete node from any specified position
 9. Exit
 Enter your choice: 7
```

```
The deleted element is:  8
 1. Create a list
 2. Display the list
 3. Insert node at the beginning
 4. Insert node at the end
 5. Insert node at any specified position
 6. Delete node from the beginning
 7. Delete node from the end
 8. Delete node from any specified position
 9. Exit
Enter your choice: 2

 The List elements are:
3  7
 1. Create a list
 2. Display the list
 3. Insert node at the beginning
 4. Insert node at the end
 5. Insert node at any specified position
 6. Delete node from the beginning
 7. Delete node from the end
 8. Delete node from any specified position
 9. Exit
Enter your choice: 5

Enter the position for the new node to be inserted: 2

Enter the value of the node: 6

 1. Create a list
 2. Display the list
 3. Insert node at the beginning
```

```
 Enter your choice: 2

 The List elements are:
3  7  6
 1. Create a list
 2. Display the list
 3. Insert node at the beginning
 4. Insert node at the end
 5. Insert node at any specified position
 6. Delete node from the beginning
 7. Delete node from the end
 8. Delete node from any specified position
 9. Exit
 Enter your choice: 8

Enter the position of the node to be deleted:
1

The deleted element is:  7
 1. Create a list
 2. Display the list
 3. Insert node at the beginning
 4. Insert node at the end
 5. Insert node at any specified position
 6. Delete node from the beginning
 7. Delete node from the end
 8. Delete node from any specified position
 9. Exit
 Enter your choice: 2

 The List elements are:
3  6
```