```
1. Insert at the beg
2. Insert at the end
3. Insert after a given node
4. Delete
5. Display
6. Exit
Enter your choice
1
Enter the item
10
1. Insert at the beg
2. Insert at the end
3. Insert after a given node
4. Delete
5. Display
6. Exit
Enter your choice
1
Enter the item
20
1. Insert at the beg
2. Insert at the end
3. Insert after a given node
4. Delete
5. Display
6. Exit
Enter your choice
1
Enter the item
30
1. Insert at the beg
2. Insert at the end
3. Insert after a given node
4. Delete
5. Display
6. Exit
Enter your choice
2
Enter the item
40
1. Insert at the beg
2. Insert at the end
3. Insert after a given node
4. Delete
5. Display
6. Exit
Enter your choice
5
30      20      10      40
1. Insert at the beg
```

Enter your choice
5
30   20   10   40
1. Insert at the beg
2. Insert at the end
3. Insert after a given node
4. Delete
5. Display
6. Exit
Enter your choice
3
Enter the element in the list
20
Enter the new node data
25
1. Insert at the beg
2. Insert at the end
3. Insert after a given node
4. Delete
5. Display
6. Exit
Enter your choice
5
30   20   25   10   40
1. Insert at the beg
2. Insert at the end
3. Insert after a given node
4. Delete
5. Display
6. Exit
Enter your choice
4
Enter the element to be deleted
20
1. Insert at the beg
2. Insert at the end
3. Insert after a given node
4. Delete
5. Display
6. Exit
Enter your choice
5
30   25   10   40
1. Insert at the beg
2. Insert at the end
3. Insert after a given node
4. Delete
5. Display
6. Exit