```
C:\Users\HP\Desktop\ADS\DoublyLL.exe
Enter choice to perform the following operations:-
                                        2.Insert at the end
1.Insert at the beginning
3.Insert before a node
                                        4.Insert after a node
5.Delete first node
                                        6.Delete last node
7.Delete specific node
                                        8.Search
9.Display
                                        10.Exit
Enter choice: 9
3 ->6 ->1 ->
Enter choice to perform the following operations:-
1.Insert at the beginning
                                       2.Insert at the end
3.Insert before a node
                                        4.Insert after a node
5.Delete first node
                                        6.Delete last node
7.Delete specific node
                                        8.Search
                                        10.Exit
9.Display
Enter choice: 4
Enter item to insert: 8
Enter reference node value: 6
Enter choice to perform the following operations:-

    Insert at the beginning

                                        2.Insert at the end
3.Insert before a node
                                        4.Insert after a node
5.Delete first node
                                        6.Delete last node
7.Delete specific node
                                        8.Search
9.Display
                                        10.Exit
Enter choice: 9
3 ->6 ->8 ->1 ->
Enter choice to perform the following operations:-
1.Insert at the beginning
                                       2.Insert at the end
3.Insert before a node
                                        4.Insert after a node
5.Delete first node
                                        6.Delete last node
7.Delete specific node
                                        8.Search
9.Display
                                        10.Exit
Enter choice: 6
```



















C:\Users\HP\Desktop\ADS\DoublyLL.exe Enter choice to perform the following operations:-1.Insert at the beginning 2.Insert at the end 3.Insert before a node 4.Insert after a node 5.Delete first node 6.Delete last node 7.Delete specific node 8.Search 10.Exit 9.Display Enter choice: 7 Enter node to be deleted: 2 2 deleted! Enter choice to perform the following operations:-1.Insert at the beginning 2.Insert at the end 3.Insert before a node 4.Insert after a node 5.Delete first node 6.Delete last node 7.Delete specific node 8.Search 10.Exit 9.Display Enter choice: 9 3 ->1 -> Enter choice to perform the following operations:-1.Insert at the beginning 2.Insert at the end 3.Insert before a node 4.Insert after a node 5.Delete first node 6.Delete last node 7.Delete specific node 8.Search 9.Display 10.Exit Enter choice: 3 Enter item to insert: 6 Enter reference node value: 1 Enter choice to perform the following operations:-1.Insert at the beginning 2.Insert at the end 3.Insert before a node 4.Insert after a node 5.Delete first node 6.Delete last node



9.Display

7.Delete specific node





8.Search

10.Exit









```
C:\Users\HP\Desktop\ADS\DoublyLL.exe
Enter choice to perform the following operations:-
1.Insert at the beginning
                                        2.Insert at the end
3.Insert before a node
                                       4.Insert after a node
5.Delete first node
                                       6.Delete last node
7.Delete specific node
                                       8.Search
9.Display
                                        10.Exit
Enter choice: 9
3 ->2 ->1 ->
Enter choice to perform the following operations:-
1.Insert at the beginning
                                       2.Insert at the end
3.Insert before a node
                                      4.Insert after a node
5.Delete first node
                                      6.Delete last node
7.Delete specific node
                                       8.Search
                                        10.Exit
9.Display
Enter choice: 8
Enter node to be searched: 6
No such node exists! Search failed!
Enter choice to perform the following operations:-
1.Insert at the beginning
                                       2.Insert at the end
3.Insert before a node
                                       4.Insert after a node
5.Delete first node
                                       6.Delete last node
7.Delete specific node
                                        8.Search
9.Display
                                        10.Exit
Enter choice: 8
Enter node to be searched: 2
2 found at node 2
Enter choice to perform the following operations:-
1.Insert at the beginning
                                      2.Insert at the end
3.Insert before a node
                                       4.Insert after a node
5.Delete first node
                                       6.Delete last node
7.Delete specific node
                                        8.Search
                                        10.Exit
9.Display
Enter choice: 7
```



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C:\Users\HP\Desktop\ADS\DoublyLL.exe

Enter choice to perform the following operations:-

1.Insert at the beginning2.Insert at the end3.Insert before a node4.Insert after a node5.Delete first node6.Delete last node

7.Delete specific node 8.Search 9.Display 10.Exit

Enter choice: 1

Enter item to insert: 1

Enter choice to perform the following operations:-

1.Insert at the beginning 2.Insert at the end 3.Insert before a node 4.Insert after a node 5.Delete first node 6.Delete last node

7.Delete specific node 8.Search 9.Display 10.Exit

Enter choice: 1

Enter item to insert: 2

Enter choice to perform the following operations:-

1.Insert at the beginning
2.Insert at the end
3.Insert before a node
4.Insert after a node
5.Delete first node
6.Delete last node

7.Delete specific node 8.Search 9.Display 10.Exit

Enter choice: 1

Enter item to insert: 3

Enter choice to perform the following operations:-

1.Insert at the beginning
2.Insert at the end
3.Insert before a node
5.Delete first node
6.Delete last node
7.Delete specific node
8.Search

7.Delete specific node 8.Search 9.Display 10.Exit

Enter choice: 9

















C:\Users\HP\Desktop\ADS\DoublyLL.exe

Enter choice to perform the following operations:-

- 1.Insert at the beginning
- 3.Insert before a node
- 5.Delete first node
- 7.Delete specific node
- 9.Display
- Enter choice: 6
- 1 deleted!

Enter choice to perform the following operations:-

- 1.Insert at the beginning
- 3.Insert before a node
- 5.Delete first node
- 7.Delete specific node
- 9.Display

Enter choice: 9

- 3 ->6 ->8 ->

Enter choice to perform the following operations:-

- 1.Insert at the beginning
- 3.Insert before a node
- 5.Delete first node
- 7.Delete specific node
- 9.Display
- Enter choice:

- 2.Insert at the end 4.Insert after a node

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6.Delete last node

2.Insert at the end

6.Delete last node

2.Insert at the end

6.Delete last node

8.Search

10.Exit

4.Insert after a node

8.Search 10.Exit

4.Insert after a node

- 8.Search
- 10.Exit