Self refrecial class

Class node

{

Int val;

Node next;

}

Head

5 8 1o

3 9

Insert

If Head==null

Return newnode;

If head.val>val

Nenode.next=head;

Return newnode;

Scan=head;

While(sca.next!=NULL && scan.next.val<val)

Scan=scan.next;

Newnode.next=scan.next

Scan.next=newnode

1. Insert
2. Add first
3. Add last
4. Insert by position
5. Print
6. Reverse
7. Del first
8. Del last
9. Del by position
10. Del by value
11. Merge two linked list
12. Circular insert
13. Circular add last
14. Circular add first
15. Circular print
16. Circular insert by position
17. Delete first
18. Delete last
19. Delete by value
20. Delete by position

Merge 2 link list

7

4

head1

1

6

head2

8

5

3

2

If(head1.val<head2.val)

{

Head=head1;

Head1=head1.next;

}

Else

{

Head=head2;

Head2=head2.next;

}

Scan=head;

While(head1 !=NULL && head2!=NULL)

{

If(head1.val<head2.val)

{

Scan.next=head1;

Head1=head1.next;

}

Else

{

Scan.next=head2;

Head2=head2.next;

}

Scan=scan.next;

}

If(head1!=NULL)

Scan.next=head1;

Else

Scan.next=head2;

Return head;

}

2. Insert
3. Add first
4. Add last
5. Insert by position
6. Print straight
7. Print reverse
8. Delete first
9. Delete last
10. Delete by value
11. Delete by position
12. Circular add first
13. Circular add last
14. Circular add by position
15. Circular print straight
16. Print reversed
17. Delete last
18. Delete first
19. Delete by position
20. Delete by value