I Singly tinked list	1 Doubly linked list
[a] Insert Tail (Node head, Node n) {	Insertail (Node head, Node n) }
Node h head	Node he feed
do {	dos
if (h. Nexty= Null) {	if (h-Nexto-Null) }
h. Nexton-n	horextue n
n. Nexto- Null return?	n. Previe h
hab. Next()	n. Nextge Null
3 white (True) }	return 3
	hoh Next
The Market Control of the Control of	3 While (True)
18 Delete Tail (Node head) }	Delete Tail (Node head) {
Node h - head Next()	Node h = head
Node Prev - head	do 8
dos	if (h. Nextl) = NULL) {
if (h. Nextu - NULL) {	Preupode (h. Preu()
Prevo Next () = NULL	Prennode o Nextell - Null
delete (h)	ho Prev () - Null
return 3	delete(h)
Jai Previola	return 3
which ho Nextil	h < h. Next()
3/while (True)()3	3 While (True) 3
Process of the second s	
[Insert Head (Node head, Noden) {	Insert Tail (Node head, Node n) {
temp = head	n. Next() - head
no Next() (head	head Previo
head < n3	head (head Prev() }
1	

I Delete Head (Node head)	Deletetlead (Node Head) }	
temp < head	temp e head	
head head Next()	head (head - Next()	
delete (temp) }	head. PrevC) - Null	
	delete (temp)	
	actede (Temp)	
(Z) Recursive	Iterative	
[a] Search (Node n, data) {	[6] Search (Node head, data) }	
if (n = Null) {	Node he head	
return wall}	do 12 if (h. Data () = data) {	
if (n. Data) = data) {	return h 3	
search(n. Next(), data)}	h < h-Next()	
Jett et (17 miles)]While (h!= NULL)	
	return Nall 3	
[3] aInsert Head (Node head, Node y) {		
J. Next() e head		
head < y }		
(1) start		
[b] Insent At (Node head, data) {		
Node New Node of Data () < data		
do s		
if (newNode, Data() < temp. Data())}		
new Node. Next() < temp. Next()		
temp. wext() = newNode return 3		
1) temp e tempo Next U		
3 white (temp. Next() != Null) }		

FCI Insert At (Node head, Node pow Node, int K) } temp - head for ico > 2 K & temp - temp. Next U newNode · Next() (- temp · Next() temp. Next() < new Node } insert At End (Node head, Node new Node) } temp - head While (temp. Next) 1 = Null) } temp / temp Nextu } tempo Nextu - new Node 3 delete Val (Val) & at a search (Node head, Val) if (at = NULL) 3 return 3 temperato Prevo temp. Next (at Next () at . Nextl . Prevel & temp deleterat) Iterative Recursive delete All (val) Node temp) } delete All (Node head, val) temp + head if (temp = Null) 3 return 3 while (temp. Nexter 1 = Null) } if (temp. Nextl) . Dratal) if (temp. Next() . Data() = val) = Val) 3 I CAN'E Tempo Nextu TemPoNextu + tempoNextu delete All (Val, temp) } temp- Nexture com Next delete (curr)} delete All (Val , tem P. Nextu) else & tomP - temp-Nextu

31 delete At (Noble hand, int K) { temp - head for 1 co > 1 < K & Preve temp temp = temp = Next() } Prevonextu = temponextu delete (temp) } Recursive Rterative copy (Node head , Node F2) { Copy (Node &), Node j) temp1 - head J. NeXtU en new Node temp2 (F2 while (temp1 1= Null) { if (t = Null) { return } new Node · Data (1 ~ 1 · Data) temp2. Data() (-) copy (3. Next U) j. Next U) tempt. Data() 1 temp2 + temp2 = Nextu temp1 = temp1. Next() 7 / reverse (Node head) } a + head b & head & Nextu C - C. NEXTU bonexto do a 3while (b. Next() ! = NULL) head Nextly & MULL

(1) testorder(Node head) } tempe head While (temp 1 = Null) } if (temp. Data () > temp. Next(). Data() } return false? temp (temp. Nextu } return true } TRy interchange (Node head) { last a head while (last Nextl) (- NULL)} last (last Next U } temp (last Data() last. Data() (head. Data() head Data() (temp }} [] del Duplicates (Node head) { temp - head While (temp-Next) · Next() != NULL) } if (temp. Data() = temp - Next (Data()) } temp - Nextly + temp - Nextly - Nextly? temp < temp. Next 0 3 3 (a) are Equal (Node head), Node head 2) & if(F1. Size() ! - F2. Size () } return False } ar head & be head? while (a. Next() != Nall) { if (a. Data() != b. Data()) } return false ? a ca. Nexto b (b. Next () } return true }



1) Concat (head 1, head 2) } temp & head 1 while (tempo Next() != NULL) } temp < temp. Next () 3 temp Next U - head 13 (G) CoPy (head 1, head 2) 9 temple head 1 temp2 + head 2 While (temP1) = Null) & temp2. Data() (temp1. Data() temp1 - temp1 - Nextly temp2 = temp2. Next() ?? [5] al delete End (Nede F., Node R) } Prev (R. Prevo) Preva Next U = Null R. Prevo e NULL delete(R) R- Prev insert End (Node F, Node R, Node New Node) } R. Next() - NewNode New Node, Prevo (R R (R. Next() ?