NAME: - TASMIYA FATHIMA VSN - IBMIACSIFL COMPASS LAB-7 WAP to implement singly kinked tist will following operations a) chreate a linked dist. 2 succelini is a wode out first position, at any position and at end of dist.

Delition of first element, specified element and dast b element win lies list.

Display the contents of the linked list. struct Node int data; stand Node \* mext; Void insert beg ( & struct Node \* \* head) struct bolde \* ptr. unt value; pto = (struct Node \*) malloc (sized) (struct Node)) ylpto paint (" luter the value to be added "); 40 Scarf (" 1. d", & value); pto - data = value; pt >> mext = (\* head). (\* head) = pts.

Void insert and ( istruct Node \* \* luad) Struct Node \* men- node = (sterret Node \*) mallo e ( Size of ( Struct Node))-Struct Node \* last = + head. Mus\_ mode > data = unt Value; peint ("Enter the value to be inserted (m").
scanf ("1. d", & value); new-node → duta = value; men\_node -> mext = NULL. if (\* head = = NULL) \* head = node. while ( clast -> nex + ! = NUIL) last = last > next. last > next = men\_ node. return; Void vissent specific (dut posítion) estruct mode \* new-node = (struct node \*) unalla ( sije of ( struct made )). int value; print (" Enter the value to be inserted").

scanf (" Ent % d", & value).

new\_node > data = value;

yout mode \* temp = head; T W T F S S Date: new-node > new-node;
section; for (i=1; i2 position-1; i++) tup = temp > mext; men - node > next = temp > next; tup = next = new node void delete front () if ( head = = NULL) point (" Lest is empty"). ele pts = head :
head = pts > next .
free (pts); Buil (" \n Node deleted from the beginning"). Void delete and () if (head = = NUZL) 3 pail (" In list is empty") else if (head > mext = = NULL) Just = NULL; prints (" only mode of the test "); else pt = had; while (ptr > next! = NULL) ptol= ptr ptr = ptr > mext; ptr 1 > mext = NULL. print (" Deteled Node from the list \n" Void delite-specific() Struct made & pts, \* ptx1;

Date: ptrl= ptr; ptr = ptr > mext; if (ptr == A NULL) printf(" There are less than 1. d elements
win the list In", loc); pto 1 > muxt = pto > muxt. fue (pto) printf (" In Deleted -1. I mode", loc); void display () Struct mode + ptr; gyl ptr==NULL) else print (" Nothing the print "). print [ " Values au " ).
while (ptr! = NULL) print ("In /d" ptrodata). ptr=ptr > next;