Name-Vedika Dalmia, USN-1BM19CS181 WAP to create singly linked but with following operations Create Ensert a mode at 1et pos, at any pour and at end of list Deletion of first element, specified element and last element in the list d) Display the contents of linked list void create() struct mode * new node, * temp. unt item; newnode = (struct mode *) malloc (size of (struct ros) brinf ("Enter the data"). seant ["/d" & item); newwate - data = item; if (head == NULL) 2 MANA newnode - next = Null. head = new mode; brinf (" Your Node is success veated in"); use temp = head; while (temp - nent = NULL) temp = temp - next, temp - next = new node; newnode - next = NULL; brintf (" Node created successfully at the end \n"):

void insert-first () if (head =: NVH) Create (); return; structuode * neurode; unt item, frint [" Enter the element to insert at scanf (").d" etem);
neuvrode = (structrode*) mallo c (cizeo (struct)) newnode - data = and item. newnode - next = head; head = newnode void insert_between (int pos) return; return; 487000 temp: head; * new node, * temp; int item; brinf (" enter data to be inverted \n"); scanf (".). ", 4 item).

int count = 1, while (wint < (pos-1)) temp = temp - next; count ++; newrode = (struct mode *) malloc [size of (struct mode) numode - Mata = item. newnode - nent = temp - next temp = new node; 1 pulling 12x 19 int length () MESONIACIO = (denco structrode + temp = head. int class; The - whother while (temp - next / = NUL) 131ch wint between fine (++) temp = temp - nent. return C+1; west bound void delete-first () if (head == NULL) frint ("No elements present in list (n" return; struct mode * temp = head; head = head - nent; free / temp brind ("Element from first mode deted"

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Void delete- end (:)
 5
 if (head = NVLL)
 frinty [" Elements not present in list In").
 return;
 7- 120000 1000
 etruct node * temp = head;
 etruct node * temp = head; while (temp - nent - nent != NVII)
 temp=temp -nent;
 . 2
 free (temp - nent);
 temp - nent = NVLL;
 temp - nent - NVII; frinty ("Element at the end deleted \n").
 void delete-ketween (in t fos)
 1
 if (head = = NVLL)
 lithm'
prints ("No dement in list (n'); return;
 return;
<i>></i>
if (box == 1)
d 101.1. 0. 1/)
detete-first(), return;
return;
<i>b</i>
if (pos > length)()
d total and ()
del-ete_end();
return;
Je.
 struct mode * prev = head; int count = 1.
ant covin-1.

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while (count < pas-1)
{
prev = prev -1 next; earnet ++,
count ++,
struct node * temp = prev - next;
brev - next = temp
free (temp), brind, (" Element at J.d deleted \n", bos)
 b
 void display ()
S U
struct mode * ftr = NVIL;
btr= head;
if (pth = = NVLL)
printf ("No elements to brint \n");
 else
 £
print ['list contents are: \n").
while { ptr!= NULL)
d.
printf (" .d", ptr - data);
 ptr = ptr -, nent;
 print ("\n"),
 7
2
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