```
1mport
```

```
struct
     node
1
  shuct nod prev;
  int data;
  struct node " next;
 મુ
void
    delete () Y
    struct node of ptis struct node of temp;
     int val;
     printfc" Enter the value:").
     stanf (" 71", (val)
      temp=head.
      while (feng -> data! = vai)
             tery) = temp -> next;
        if (temp-sneet == MULL)
             printf(" (arinot delete");
        also if (temp -) noct -) next = = NULL)
            temp - next = NULL;
             printfl" Inst Node delsted.
         else
         X
              ptr=temp=nact;
               temp - next: ptr -> next.
               its do next > prev=temp.
                 tree(ptr);
                 printf?" Node deletel):
```

```
rold display () L
     struct rode ptr=head.
       of (pti == head)
            printf (" Empty").
        else
        <
           printf(" In In LIST ->")
             while (pto I SWULL)
                 pritt(' It "bd", ptr ->data);
                    per=ptr =next;
         .3 }
   Void
           create - list () 1
               shuck rode + per;
              int i, n, new_data;
                Printf(" Enta the roof nodes);
                scarf (ogd", an).
               if (h)=1)
                4
                  head = (struct node *) malloc (size of (shuct node));
                       of Chead; Nucl)
                         printf(" Enter value for Nobo 1 "):
                           sump (" · 10 d", c rew_data);
```

```
head - data = new-data;
head - prev = NULL;
 head > next : NULL;
   last = head,
   for (i=2; i L=n; i++)
    d
      per=(struct node *) malloc (size of (shuet node));
        of Chi!=NULL)
            printf ("Enla value for Nodo 10 d:", i)
             scaf (" · lod", a nen -data).
              ptr 3 dala = nev-dota;
               loter -> prev = last.
                ner -) next = NULL!
               last o next = per;
                  last =ptr.
              noutf("Luhit hot crowled");
            3
else
             proféf ("Nols cannol be created");
   void
           inserf() (
           inti, position, new dafa;
            Struct rode * ptr, * temp;
             of (head == NULL)
               of printf (" but is imply"),
```

```
さこり
while (iz position - 1 & & temp! = NULL)
 L
     kmp= kmp- nat,
     if (position: =1)
          17 the next: head,
           ptr -> prev = ptr.
           had = ptr.
        she of (temp==10st)
        K
            pti -> data = new_data;
            per -) noxt = NULL;
             ntr = prev = NHEEZ lasting
             head =pt
              last - next = ptr;
               last=ptr;
          else of (femp!=NULL)
          <
             ptr -> data= new- data;
             Ptv -> nat: temp -> next;
             pur -> prev: Lenp;
```

else

<

if (temp=snoct = NULL)

temp=snoct = prov=ptr;

temp=snoct = ptr;

y

else

printf(" [malid position");

y