1. WAR to Emplement doubly link light with primitive  Openations.
O) Corente o doubly Pinted digit.
b) Ingered a new node to the defd of the node.
c) Delete the node boged on a specific value.
# include raddio.h>
# include < std19b.h>
stouct node
2
Post doto;
Staut node knext:
stant node * parev:
<b>3</b>
stouet node * head;
vosd comede_IIC)
2
stanuet node *new-node, *pton;
Prot num:
porind f (" Enter -1 to exid\n"):

```
while Coum 1= -1)
    printf (" Enter the num: "):
   sconf (" v.d" from);
   new-node = (stouct node *) molloc (size of (s.toud rode)
   now node >> data = num;
   Pf (head = = NULL)
     head = new-node;
     now_node -> next = NULL;
     now - node -> poier = Aluli;
   edee
   ptor-head;
    mhûle (plon -> next != NULI)
    pton - pton > next;
   ptor > nexit - now- node;
    new_node > priev = ptor;
    new-node -> nex it = plull;
```

```
void ingent-left o
 stouch node * newnode, * pto;
 Int val num:
  new node = (Stowed node +) molloc (size of (stowed node ));
 paindf (" Enter a value to ingeret at defd: In");
 sconf (" y.d ", fud).
 posintf (" Ender the vol of node: "):
 sconf ("-/d", & num);
  newnode -> dota = vol:
  poter = head;
  while (pto -> data 1= num)
 potor = potor -> next;
  ptor-> pore 1/ -> next = newnode:
  newrode -> priev = ptor ->priev.
  numode -> next = ptor -
 ptor -> porev = numode;
```

E res

```
nord displayes
   Stowert node * pitor;
   of (head == NULL)
   portratt ("11 ig empty")
    potor = head;
     while (ptor > next! = NUIL)
       parat (" /. d. ). pto -> data);
        ptor = ptor > next;
void del ()
   Stout node + pto;
   Pat value.
   parint of ( Endon the value to be deleted: ");
   sconf (" 1.d" & ud);
  pto1 = head:
```

```
of Chead > data = - val)
pdon = pdon > next:
head = ptoi;
 while (ptor-> data 1 = val)
pto = pto -> next;
pto > porev -> next = pto -> next;
 ptor -> nex t -> porex = ptor -> porex:
force (p.tor):
y
```

Output:	and the second second second second second
Menu -	
1. Corcate 11	
2 Ingeret defit	
3. delete	
1. display	
5. ex9.t	
1	
Enteri -1 to exit	
Enter the num:	
Enter the num: 2	
Enten the num: 3	
Enter the num: 4	
Enter the num:-1	
En seel and flum.	
4	
1->2->3->4	
5	
2	
enten the vol to ingent d left: 99	
enter the vol of node: 46	
4	
33-> 99->2->3-4	
3 Enter the value to be deleted: 99 4/-1->2->3-	-> A