```
Linked List:
# mlule < stdio.h>
# include < stoller )
struct node
   jut injo;
   street node " link;
3:
typedel shout node " NODE;
NODE julnode ()
   NODE Zi
   x = (NOOE) mallor (sizez (showt node));
   il (z== NULL)
     point ("Memory is jull 11 m").
     exit(o);
   getion x;
void prenode (NODE x)
   gree (x);
NODE insert-front (NODE forst, int item)
     NOOE temp?
     temp = getnode ().
     femp -> info = ikm;
     temp - link = NULL,
      il (finst == NULL)
           gution temp;
      temp - link = first;
     first = temp;
     gelun first;
```

Welk 8:

```
Noot delete-front (Nobé first)
   NODE stemp:
     il (first == NULL)
        print[ " List to comply \");
       gehon jousti
     temp = fired;
     top = temp > link;
     print[l' I tem deletel : "Id ", Horst -) info);
     pree (jist);
     network temp i
 NOOR insert_seed (NOORE Heart, ind item)
    NODE Jemp, cuti,
    temp = getnode (7;
    femp -> info = Henen;
    teny - link = NULL;
    il (finst == NULL)
          return temp!
    i farely = in
    while ( our - link ! = NULL)
         cur = cur > link;
    aur-tink = tempi
    return pinst;
    delete_nes (NODE Heat)
NOD E
   NODE wer, pres ;
   if ( first == NULL)
        print (" Empty list (");
       nation final;
```

```
il ( first -> link == NULL)
         printf (" I tem deletel: "d'n", first -> info),
         pres (first);
        retion NULL;
                                                  to by withing
       prev = NULL;
       we = post;
       while ( ma > link != NOLL)
       E pour = un;
                                       La Miloh was a famou
        wer = wer - link i
       print (" Them deleted: "Id in ", war > lufo );
       prec (us);
       poer - lul = NULL )
        seturn fint;
void doply (NODE great)
     NODÉ lenj;
                                              February - The
     if ( first = = NULL)
                                               1000 - . . . .
         portuit ( Emply 1) of m');
    for (temp = fixed - temp! = NULL; temp = kemp > link)
    E point ("-1-d m", temp -> sufo);
                                                   1 Total
                                                     18. 3 - 1.41.0
void min (1
  jut : tem, choia, pos',
   NOOV first = NULL'
     pront (" 1: Tuser part in 2: Delete just in 3: insert new m 4: delete ree
   ps(;;;)
             mg. Display in 6: Exit ~ ");
      private (" linter drode m");
      sweet (: -1.d'; & drosa);
```

```
switch (chosa )
            print ("Enter iten to insert at found end ("");
  use 1:
              1 cm (" 1.d", ditem);
              first : insert- grant (first, item);
             bound:
            first = delete - junt (jisest);
  use 2:
            printf(" Enla ; tem at send - end in"):
  USE 3:
            sunf (" 1.d", 4 itu);
             first = insert - great ( firest, item);
            brech i
            jerst = delete-gres (jirst);
 cre u:
             bruk i
             privite (" List: \")")
             disply (first)'i
             preck;
 und 6: exit(6); breaki
 réposit : prinj (" Favalle dosa! m"),
            serle.
5
```