```
Delehon Juked
                      Just weeky
 Brudude Codioiny
 studiode (skills in y
 straid mode
      me daka,
      fract made + ment)
 wid make 11 (short node ++ start);
 verd display ( street node votart),
 unid sop (strack unde ++ start),
oold and delete (object node & * stact)
 void delete - at - pos (struct mode * 4 start);
 void free-lest (straid node + start)
 ind main (void)
      stract usde + start = NULL)
      int option,
       20
            polit ( uln In * ? * MAIN MENUS & de).
       3
             point ("In I bunk a bit");
             print ("In 2 eisplay the lot")
             prosett (" In 3 soule a mode from the
                     beginning "),
             print t ( " In4 olde a node from the
                         and ").,
              print ("In I dute from a specific position")
```

```
point (" in 6 Exert");
print (" In quier your other ");
scant (" -/- d ", 2 option;
switch (option)
    and: orale Il (4 start).
            print! ("In fired fet maked");
            break;
    wx 2: liselay (stant);
             break;
   well 3: pp Estant);
            break,
           and delete ( 4 start);
   cose 4:
            break,
   are 5: delike-at- 100 ( & short )
             break
            fra-lut (start);
    were 6 :
                                  · \");
             Minth ( " In Exima
             bicat
 Junice (option ( = 6)
  mulum o;
```

```
wate Il (court mode * * start)
struct node " new-node, to ptr,
int num;
point ("Enter-1 to and in");
print ( " Enter he data"),
Start (4. /d ", & num),
while ( num! = -1)
       new-node = (struct vode ) walloc (six of (struct node))
       * ( new - wode == NULL)
          printt ( " Henory allo vation failed In");
          out (PRIT_FAILULE);
        new-wode > data = num;
        new - node of next = NULL;
        it ( * start == NULL)
              * start - New - wode;
          de
                ghr = A stand.
                while (ptr -> next = NULL)
                     ptr = ptr > went;
               ght -7 next = new-node
```

```
privite ( 1 he Enter me data: 4).
 sign + (4 - /d4, 2 num);
void display (smut woll * start)
        struct mode & ptr = start;
         while (ptr ! = wull)
               printf (1+ /d1, ph ) data);
               phr = phr > nent;
void pop (struct node * start)
     if ( + start == NULL)
          printl (" ust is emply \");
          gularn;
      struct unde & plr = x start,
      2 start = (ustart) + next;
      fred (pto)
```

```
void und-delile (struct unde * a stort)
    1 ( * start == NULL)
           print ( " Lot is emply 7),
        nelvin;
      struct node & pts: d start
      struct nod * etr 1 - Null
     while ( ptr > nort! = wull)
          plr = ptr + nent;
      il (tel i = warr)
             (11) ment = wull,
            ful (Hr)
            + start = NULL)
     void delike_at-pos (should usde+a start)
           if ( + start == NULL)
               print + ("WI is unely 1"),
                 neturn;
```

```
just loc
points (" In enter the location of the mode which has to
       be deleted ?)
sont (" -/d", 2 loc).
skul vode pto = 2 start
struct mode
for (int 1= 0; i c loc; 1++)
     pr 1 = 1/8
    it (pr == Null)
          pointed (" mue aux los man 1-d dements in lutin, loc)
  if (*kt = warr)
    ght o mut = pt o muit
  point + ( + pulled would at -1.d position \", loc);
  foll (8/8)
   dse
       & start = plr -> ned;
       rint ( vedue mode of - Ed prihan ny, bec);
```

```
void free act (straid code a start)
        stand with a pt = shart;
        grand wood of need - modes
        while ( I'm!= NUII)
            mend-node: pt -) next;
           free (++),
           it = need_node;
  1- weeds a RIL
 2. Display the Dr.L
 3. Illete node from
                       Legiunia
4. odde node from
5. siller from steapic position
6. Exit
 culer your option : 1
 were -1 to end
Guler dasa: 10
 where data: 30
fully dala: 30
gulle data : 40
```

enter data : - 1

ander your ophou: 2 40 30 autor your option: 3 Enter your option: 20 30 40 Enter your option: 4 20 30 culer your option: 5 Eules hie location of node to be deliled: I anter your option: 2 20