```
# anelude < stdlo. h>
# Enclude < stdlib . R>
 stemet mode ?
  int info; stemet mode *selink;
 stemet mode *llink; 3°
 typedel sterret mode *NODE;
 NODE gettode () {
  NODE Xº
  x=(NODE) mallor (size of (struct node));
   Pl (x==NULL) }
    perint (" memory full");
    exit (0); }
  action x
note fueenode (NODE x) of
feree (x); }
NODE d'insvert fouont (Put êteur, NODE head) of
NODE temp, and
temp = getnode();
temp - info = Ptem;
cur = head > sulink;
head - wlink = temp?
temp -> llink = head;
temp -> selink = cier
com > plink = temp;
section head; &
```

```
NODE abrievet - Mean (NODE head, But Hem) f
 & NODE temp, we
  temp=getriade():
  temp - info = item o
  cui = head + link "
  head > lithet = temp?
  temp - aller = head
  temp link = cure;
 cur > selink = temp
 outrom head ? ?
NODE ddelete-focont (NODE head) {
 NODE con west;
  1 ( head > relink = head) {
    printf(" list empty");
    euteun head ? ?
cure = head > sellinke
mext = cur - selike,
head > sullink = runt o
next - letert = head?
pullett " mode deleted is % d", com > 300);
funde (aux);
  ocenion head ? }
NODE addelete near (NODE head) f
 NODE CUY, PHEN,
 if ( head > relack == head)
   & perent (" list empty"); extreen head "}
  au = head - Llinko
 puer = cun > Whik's
 head - Wink = perevo
 PHEN - selink = head?
pulntf (" Ptem deleted is "lod", and >info);
ferenode ( aux);
 eletion head ; }
```

```
word display (NODE head ) f
NODE HELLIPLY HEAD - HEAD
If ( head > ulink == head)
  presnyl "list empty");
for (temp = head > selink; temp! = NULL : temp = temp - selink)
  pully ("In "od", temp>into);
 NODE dinsert_pos ( nut item, NODE nead, int pos)
& NODE temp, cier, perer;
  temp=getrode ();
  temp > Popo = Etemio
  int = 1
  cuer = head > selink "
  perer = NULL;
  while (ixpos 22 cm = head){
   puer = cuer o
   cur = cur - sulink,
    9++93
  If ( cure = = head) { pownty (" were pos. not found");
    outrom head of
    poler - rulink = temp;
     temp > sulink = cur?
    temp > Wink = Pecer;
     cur - llink = tempo
    getween head?
```

```
THE MATER ( )3
    tok som a chose?
    VEDS = QUINDE () "
    hand - weller & wead?
   Wand - Wink = rand =
    40m ( ; ; )
   pulling to Enter your order. In I have feart
    In 2 Ensect war in 3 delike front In 4 delike were
    in alisplay in Ensure life so );
   scouf ( " / d" Mistre )"
   simes (on) à
   Cose 1; peanty ("fester them to be "husbled");
           last formant from ( ten);
case 2", pullet (" File "How to be "necord")",
          Scand ("19/10", 2 Frendy
          last - linest was (keed, fem);
        last = ddillte front (read); break.
         last = ddelete-sean ( read); treak;
arcs; display (head); break;
use 6 " pullet ("Firter the few and position");
        scurf("% d %d", 27ten, 2703);
        last =dfresset_pos(fem, head);
        break "
```