DS LAB PROGRAM 9 WRITE UP

mittel Kay (P) margary das It include (ddio h) # include Estlibhs It include & Comio h > struct rodi struck noch + 1 dink, Start node + + link typedy struct node + NODE NODE get nede () (11 ban burds) possis) soman(3001) = x IP (X == NULL) full list mem ") & brind exit(0); x washer yord founded (NODE X) Pour (x); NODE dinsert - Front (int item, NODE head NODE temp, our femp = getwool ();

```
cur - head -> rlink,
  head - or link = temp,
  temp-sklinh - temps.
  temp - runk = head;
  cur - slink = cur,
  , born water
 Noor dinsert - mar ( Int item, Noon
  head )
  NODE temp, wir
  temp = gethod ( )
  temp - info - Hemi
  cur = head - I link
  frad - I link = femp
 temp - I link = head;
temp - I link = wr;
cur > 1 link = temp,
 outers head;
 (how adout - front (NODE head)
 NODE cur, next,
 if ( head -> r link == head)
point PC"dq empty In")
 justure head;
cur = head-swlink,
next = cur -) , link;
head -) , link = head;
next -> & link = head;
```

form in policy potelob about 14 th of theired been water NODE ddelete - suar (NODE mad) (had sylink = had) point f (day empty la") ban newters pour = wad -) Junk; hiad - llink = pour ! pound (" the road delided 12-1.d", any Pour noche (cur) 3 oretwood head; Void display (NODE Mad) NODE temp; if (head - ir. link == head) print f ("dq empty in"); ruturn ("" reply to the mas") & third tempe head-sidink, while (temp! = head)

```
faint ("1")
  Void main ()
 NODE had, last
 int Hem, chorce;
 head = getnode ()
 head - , Stenk = head,
 head - stink - head
 forted
 bring ("In I insent front In 2 - I hoest's
   In 5 delite front in 4 - detate rear 15 dig
 Inf excit in"),
 print
 switch (choice)
 (ase?: paint ("onter the item at friend).
       Scanf ("1.2", & item)
last=dinsent-front (item, had)
       break
 Case 2: point fc lenter the item at events
cooses scanf ("1.d", & item)
        last dinsert - rear ( it em, head
        break
 cases: last = ddllete: front (head);
        boreak
(ase h last = ddelete - rear Chead)
        break,
(ase 5 display (head),
      default exit (0);
```