```
Hindudi Letou O. 11/
                                                         Louis (WODE first)
    Hinclude (conjo. h>.
    rinclude ( Stalib. h>.
                                                        NODE temp;
     struct node
                                                           if (fiest = = NULL)
                                                             Pop (" list is empty");
          int info;
                                                                return first;
         struct node * link;
                                                           temp = first;
      typedy stout node *NOOE
                                                           temp = temp > link,
        NODÉ getnode ()
                                                    Pfl"the deleted item is -1.d, temps;
                                                      feel first);
        NODE x;
                                                       setuen temp;
      Y = (NODE) malloc (Size of (struct node));
       4 (x== NULL)
                                                       insert_rear(NODE first, int item)
            Pf ("men full");
exit(o);
                                                        NODE temps, us;
        return x;
                                                       temp = getnode();
                                                       temp > info = item;
       Void frunode (NODE 21)
                                                       temp > link = NULL;
                                                      if (first == NULL)
            free (x);
                                                          rdun temp;
                                                         au= first;
NODE miest-front (NODE flast, int item)
                                                     & while (cus -) link = NULL)
                                                     cu: cu > link;
      NODE temp;
                                                      ar > link = temp,
      temp=getnode();
                                                         letuen first;
      temp-sinfo = item;
      temp -> link = NULL;
     if (furt == NULL)
       retiren temp;
    temp > link = fixst;
       first = temp;
       letten first;
```

delete_seas (NODE first) NODE temps prev, cus; of (tiret = = NULL) Pf (" list empty"); lettern first; if (tirst -> link = = NULL) Pf L' Item deleted 1.d, first-sinfo free (first); 3 Settlen NULL; new = NULL; cu = first; while (cur -> link! = NULL) f pelv= cus; cu = cu -> link; Pf L'11 Item deleted at Rear end 1.d, wesir free (us); peer - in lunk = NULL, return first;

```
NODE concat (NODE first, NODE second)
      NODE cus;
    4 (first == NULL)
       return second;
   if ( suond = NULL)
      return first;
       all = first;
   while (un -> link | = NUW)
     cus = au -> link;
     cue -) link = second;
     return first;
```

```
reverse (NODE first)
  NODE cue, temp;
    au = NULL
   while (tirst != NULL)
    Stemp = first;
       first = first -> Lunk;
       & temp - link = cu;
            au=temp;
       Retrien cus;
```

NODE

```
ordered list - (ine item, NODE first)
        NODE temp, poer, cui
           temp = getnode ();
           temp - info = Item;
          temp > link=NUL,
       of (first = = NULL) return temp;
          If I items first - into)
          temp slink = first)
           Prov = NULL;
           au-first;
       while (un, = NULL & & itemsay > info)
          & prev = cue
           Cey = cut-link,
          Plev -> link = temp;
           temp -> link = cere;
            return fire
           3.
```