List/Rxt

```
In 6. order on Any other key to exit h');

print f ("enter the choice in");

scan f (" ". d" of choice in");

switch (choice)
                                                                                                                                                                                                                                                                                                                                               printle ("1. insert-fort In 2. delete-rear in
                                                                                                                                                                                  at port end In "): Enter the ?ten
                                                                                                                                                                                                                                                                                                                                                                                                                                      int main () {
                                                                                                                                                                                                                                                                                                                                                                                                               int item, thouce, pos, i, n;
                                                                                                                                                                                                                                                                                                                                                                                   for (; ;) - NIDLL:
                                                                          case 4: count (first);
                                                                                                     cose?
                                                                                              break
                                                                                                                                                                Scan & ("1.d", 4 : tem);
                                                          break
Swanf (" 1.d", 4 item)
                                                                                                                                 break
                                                                                                                                                Krst - inseart - front (first item);
                                          print f ("Enter element
                                                                                                             first = de le te - rear ( fint )
```

```
int c=0, t=0;
                                                           france to "); (" list empty
                                                                                                                                    woid display (NODE first)
print ( " 1 d 10" + mp >
                                                                           the til " I the mpt
                                                                                                                                                                                                             temp - temp - link
                                                                                                                                                                                                                                                             print f ("searched mesuccestu
                                                                                                                                                                print & (" Seasch Unsuccess Jul (\n");
                            emp & link)
                                           temp = first, temp | = NULL; temp:
                                                                                                                                                                                                                                         1=1; break
                                                                       cannot display
```

```
void list-search
                                                                                                                     Void
                                                                              -n+
                                                                                                   SOOR
                                                                                                                                                                                                          wapped = I
          NODE temp
temp - first
                                                                                                                                                                                         2 - pt 1 -
                                                                    while (they) - NULL
                                                                                                                                         return #3+)
                                                                                                                                                le (swapped)
                                                                                                                                                                   = ptr 1
                                                                                                                     count (NODE
                                                                                                                                                                                                                                        = p+1 - in
                                                                                        fort)
                                                                              0
                                                                                                                                                                                                                      for = ptr 1
                                                 temp -
                                                                                                                                                                                           lin
                     NODIE
                                                                                                                                                                                                                                  link
                     124
                     Key ,
```

```
NODE
                                                                                                                                                                                                                                                                                Drek = Cm
                                                                                                                                                                                                               free (our
                                                                                                       1524)
 (ph2 - info>
                                                                                                                                                          order - list / NODE first
                                                                                                                             swapped,
                                                                                                                                                                                                                                     "item
                                                                                                                                                                                                                          cus info
                                                                                                                                                                                                K = NULL !
                                                                                                                   1 ptr = NUL
ptr 1 > link >
```

```
of (first == NULL)
                                                                                                                                                                                                                                                                                                                                                temp = into = etem
                                                                                                                                                                                                                                                                                                                                   temp -> link = NULL
                                                                                    print ! "Fikm deleted is 1.d \n",
                                                                                                                                                                                                                                                                                                    sehun temp;
                                                                                                                                                                                                                                                                         tist = temp; first;
                                                                                                                                                                                                                                                                                                                    1 ( Kist == NULL)
                                                       free (Rrst):
                                                                                                                1 ( Krst - link -- NULL)
                                                                                                                                                                                                                              Nove delete - sear (NODE first)
                                                                                                                                                                                                                                                             return tist;
               Drey = NULL;
                                                                                                                                             print ("list is empty connot delete ni)
                                          return NULL:
cus = first
                                                                    fort - info
```

```
# include - stalib. K>
                                                           MODE
                                                                                                                                                                                                                                                               type def struct node * NODE
temp = get node
                        NODE
                                                                                                                                                                                                                                                                                                       shuck node * link ";
                                                                                                                                                                                                                                                                                                                                                        struct node
                                                                                                                                                                                                                                                                                                                                                                                           include - stdio. 4>
                                                                                                                                                                                                                                              NODE gelhode ()
                                                                                                                                                                                  1 X = NUCL
                                                                                                                                                                                              (MODE) malloc (Size of (Struct node
                                                                                                                                                                                                                                                                                                                    info;
                                                                                                                                             (" mem full \n")
```