```
sinked lit program
                                 county sort and search.
   #include <stdiolh>
   #include < stollib.h>
   struct mode
                                 THINK - HALLE THE
    int info;
    struct node * link;
    typedy struct mode * NODE;
                                           A DUN TRANSIA
    NODE gernode ()
    NODE 2;
    2: NODE) malloc (size of (struct node));
    peint ("memory isfull \n");

exit(0);
    if (x== NULL)
                              C'TRUM SILLED OUT
                                    JULY - JULY - HULL,
     return x;
                                         street from
     void fremode (NODE 2)
                               (4 PM) 30 AM ( MAD BE ( MAR)
     fue(x);
      NODE insertpont (NODE first, int item)
                        of the present of the person of
       NODE temp;
temp: getnode ();
       temp-timpo= iteminat " m/ 60" ] Horing
       temp-> link = NULL;
        "{(kust = = NULL)
        letten temp;
temp-> link= first;
        fris't : temp;
                                      10 TAUGI
                                   (11ULI CETAM)
    NODE deletera (NODE first)
     took NODE cur, par j
                                    E CAJON : LOUB 193
```

```
at life programs to u
(fust == NULL)
Prints ("List is empty. Connot delete In ");
  (first-> link == NULL)
  Peint (" Hem delited is % d m', first->info);
  feel (first);
                           SOUTH A STORY HOUSE A MILES
   Setuen NULL,
                                      in helmode ()
  prev = NULL;
  cu: first;
 while O( cur -> link! = NULL)
                    Nope) makes (sirrey (structure de)
                                       (AdVINGO)
   PREV= cur;
    cur = cur -> link;
                          ("n/ slufery will") Huis
                          at sear end is % d ", cur-> info);
    printf("Item deleted
   free (cur);
prev -> turk = NULL;
return first;
                             vid frumocle (NOPE A)
    void display (NODE first)
      1) Chrone Line (1700) 3001
       peint (" Lut is empty. \n");
      for Chemp: frist; temp!= NULL; temp= temp->link)
          prints ("% d \n", temp > info); quel
int lugth (NODE first)
                                ( Water = NULLE)
                                  House Judge
                            grand - Arright - Lorge
    NODE un;
                                 a yearst stand
    int count = 0;
                                ation of the
     { [first == NULL)
    Letien 0;
                               到100年1月20日1月20日1月1日
    cu: fist;
  while (buy: NULL) &
```

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was an -slink;
                                            A part of the second
utun count;
boid search(inttey, NODE first)
                                         I was a way to
  NOTE au;
                                        young there was and
  if (fut==NULL)
  printf ("List is empty \n");
  ultum i
                                            1 Carlot Harry
curp: fust;
 while (da! = NULL)
                                         Property of the state of the
  if (py == au -> info)
                                            CANAL STEEL SHOW
  bus; cu > link;
                                         FC 4 10 2 - 1 DO FT - AND
                                     y ( when can report and e.
                                           the plant - party
 if (un == MULL)
                                     COLAN K-MILL STOKE & SHOP
  punt (granch is unsuccesque \n");
  utulu;
   printy ("Search is successful. Element is found in the list at % d",
  NODE asc (NODE just)
                             was in heir and, has by
    NODE mu: NULL;
                                        Made June 1000
     int temp;
 1/ (first==NVII) & return 0; 3
 the & while ( per ! = NULL) &
                             property in a class season there
  while ( un! = NULL) &
  ( lpur -> info > air -> info > q
                                     south and the street
  temp: prer->into;
```

Scanned with CamScanner

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25.345
    peer-> info = au-> info;
    en->info: temp;
                                      cu: cu-> link;
   PAN = PAN -> link;
  33 return frist; 3
                                             A CONTRACTOR
 Note des (Nobe first)
   NODE peur= first;
NODE un: NULL;
                                      the second second second
    in temp;
  if (frist == NULL) &
                                           Marie La
    seture 0;
  3 elle &
                                           CONTRACTOR SALV
 while (prev!: NULL) 3
 an = prev -> luik ;
                                            William Commence
  while (un!: NULL) &
 1) (pur-sinfocue-sinfo) q
 temp = pres -> into;
 per-> info: cui-> info;
  un-sinfo: temp;
                                   · cu : cue-> line )
3 prev = prev -> link;
33 return first; 3
                                        int main D
 int isem, choice, count, key, option;
                                       - - VAN - 2007
 NODE first = NULL;
                                       for (;;)
 paintf("In 1. Smeet front mo. Delete that In 3. Daylay list !
 4. count items In 5! Search Heurs In 6. Order list in 7. Kristin)
 puilf ("Enter your choice 10");
 lang ("0/0 d " Echoice),
 switch (choice) 3
```

```
(ase1: print) [" Enter the ilem at front end In");
      Scarf (" % d", litem);
frist = insert (first, item);
       break;
care 2: fist = deletirear (first);
        Belat;
cases: display (fist);
        belak;
case4: count=length (fret);
        printf ("Length of items in the list is %d in", count);
(aces: peint (" Ente du Mem to be searched \n");
       scanf (" v/od", & key );
        Search ( key, first);
          printf ("1. Ascending older \n 2. Descending Order (n");
        belak;
case 6:
          Scary (" 0/0 d", & option);
          y (option == 1)
              fistalse (first);
display (first);
           else 2
             first: desa (first);
            duplay (first);
         belak;
        defaulté exit (0);
   seture D;
```