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A. chaitanga
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D White a program to insent and delete an elament at the other and it position in a valued list when and le is the toler from vari

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Ans:
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Incluida Cotation 6>.
 incluite a stablib. Ly
Star et no de
                          o tr
stanct no de mont
void input ( atunt no tos)
voit delete ( struct notes)
vot & main ( voi 4 )
 stund water s?
 1= null
 do
 Prend (Cases the element to in court : (n))!
 pund + (12- Delete (n4))
  Pain+ + (" s tait lu")
 Print+ ("tater the choice!");
  sput ["/J", cn);
Just tella)
  case 1: input ( 5);
      bank;
  Lase 2: telate (5);
        in who
      3 while (1=5)
```

Voil input (strue & male =).

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int pas: (= 1
Print + ("tates the Dament to be insure +:"))
 Scart 1" 1. 1", epus);
     While Ecom- nest! = Null)
      c + +.
      121c==p00)
       temps (should maked) may lock (ise of estant noise 1)
       trintf = ("futer the mer bess:"),
       Sent = ("+#", e hup - m 1;
       temp-) rest = worr-) nest
        curr-) - ent = temp,
       Araml;
                               £
  Voil where ( structuoted 2)
   int pos; = = !
   corr = 21
  punt of Yearn the clament to be delate?
  sear f (" /. I", & pus);
  mile (war -> nest! =Dull)
   if ( = = p==)
  temp = curryreal,
  corr-) next = (wronest -) next,
   fre(temp)
  WIT = COTT - Treat;
  wit au qu ( stanct rode * p, st met nade vq).
  stret not " p-wr = p, ~ q - curr = # 7)
  £
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Shus mes proce fig-ruit;
   White ( b- ma- wall to 2- mail)
       freak = puir-s rest,
     ar - near = 2 + corr -) ment)
      V-curr-s next = p-rept/
      P-com-) rest = & rest;
      P- corr = 12-rent )
     2 - cor = 4-real,
  Int main ( )
    inne = b. inne = d+ = tou touts
    Push ( + p. 1);
    Puch (Apra);
   puch c + 1, 31;
   Paint & ("tra + linbed list ; in")
   Print wat (P);
  Posh I Lag. ul.
  Push (er, s);
  Puch ( eg, 6);
 Paintfl"Second unlied list
 Paint List (q)!
puch ( cq, 4).
 Puch leas T);
 puh ( =q , 6);
                  unled hat . In " ]
 Part of "scend
print not (a);
brouth 1, motating how property ping ;
me age LP, Agli
print hist (p);
printit (" mode afred leson & limbered list = la");
Purt wat (2);
return 0;
3
```

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2) constant a new linked list by manying attentions notes of
 two wats for comple is wat " we have $ 1,2, 23 and in
  list 2 me have Eu, F, 6] in the new wet no skeuld have (1,4,2,5,3)
    + ivelute cstains
    # include Cstalibility
                                        e a a com · ·
    * inchus cassestins
    How I note
     int duta;
     show it note trest;
    wild more no de (struct mode" x ; struct hode the yl)
   Store mate " sontes mayor (stored note " a , stored note " b)
                                              stand as a downy;
     How tote + toy . 4 quy
     during read eruly
     waite (1)
                                           if la = = Nul)
     1 = y = nouno + - , rest;
                                         menomode mento " "
                                          1.35
       "n = new no to
                          a garanta a a a santa ata 6.
      void puch lature node # & head-ref, int new-data)
      Ituel note Teo node = (start note ") madder (- 'se =+ letarda
      new mode - sale = new darta)
                                                5 ° 9.3€ 35
      heronote -) nead = [ * head-refl;
      ( * headref 1= mornous)
     ( bour about that their and a node)
                                                2 mule ( and; = well)
                                               1.6
       prints [" "d" node - derbal!
       meto = node + next;
```

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toull - new tol
                                    £ ...
bmark;
                                  . . . . .
                                     . . . . . . . . .
elec it (1 = NmI)
                                         . . . .
 tailed neat = ay
 brunk;
  ele if lb = Null)
 stail-great sai
                                how we;
3 = + se if (1 = Null)
                                     teil -> Ner + = ay
                                • a a a a la de l'est
  +il - neste a;
                          e the second of the second
 break
une hatel , I tail - next, cal;
els c
  more node ( Lltil) - next, d 11;
  tail = tuil - reat )
   retour ( demy nest);
                              ter to the t
mid moranote = (stand med + a m, stant node + a y)
                                      struct moder murat = my,
assent com made I a al mil;
int muine )
                                      * 47 V.
 ٤
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stand note open = muly
    Stand- note to = null)
    Stand node ( ) . w= 14,
     que h (+ = , 1) ;
    Puch (4 -, 2);
    puch ( 10,2);
   k-16 (46,4);
   pual (d 6,5);
   puch ( 16,6);
     res = son lied maye ( = , 6);
     printy " [ "mange unlead list is ilno),
    Punt wat (red);
    return of
    £
3) for a all the element in the class whose com is expect to
   b lune L Ts given from user)
      # include < stadio. h>
       ( -= 7 des ( (0)) 25 ( 1 -= # des 1 ( 0) 15 + mg
       in 1 si comply i)
       { ik (top) == -1)
           refun 1)
          clac
-etum o;
        int 4 p-pc)
         £ hp 1 -- 1 -
         1 int s, (" + top 1) = nj
        I silt hp 17= mi
        for 32 empty ()
           if ( hp = --1)
             return 1;
         31-+52 +001)
        L retorn sz (top2);
```

```
int se push (in + h)
E 12 [n, 465) = ul
 Had down (im + b)
   1-+ ~,
                                    ww 10 (1, engity (11=1)
. I we way
   while ( 4 emp + 1) = 1)
  14 ( m + s, mp ( 1 = k)
  > sain++ 1 % d = %+) ( n" m = 1 hy> ();
  I push ( 1. mg (1)
    1, 4.4 ()
 1 while Liz empty ()1. - 1)
   I puch (12 tops (3);
    ( Pop ()
lat move Ll
interiors,
 pun 44 " ( to ter the re of elements of etack; Iva)
  Scanf ("Vid", enly
   to li=0; i=n; i++)
   Sconf 1" 4 1" 1 cl)
      e, putaledi,
```

```
Potter + 1" The combination whose sum is equal to 10 is : In ");
     Lun tel;
     $ 3
4) wait a pregram or point the element in a grow !
 I in rune arm
   in alternate order
     1) al include a state. 4>
    = include " stande: "
    # inul de "80 · h")
     Ins much L)
       int & , are (20) , 1, 1 = 0
       I should struck s;
       int stack cast;
     Pun + 4 ("tuter no");
     scort ("> d ; kn);
     for lizoriek, irt)
     Equiated ("-total value " );
       Sem + 1" 1/2 14 com's (1);
      Bount + 1" to tes value : "!
       Sem + (" " = ) x wh (1);
      to 1100,120,140)
         Singert ( wal i)!
         1 while (1) = 1)
         3 wile (7) ! = n)
         } push (+ s, del- H)
        Frint ( Pewere is ");
```

```
Paru++ ("1. +", pas (42);
    P~ + + ("1 - 1);
    Tetur o;
    -# Include Catalogha
    I Include CUILING
    stant hose
     int diese)
     Struck note + next 1
    boit print node lamis med shoul).
      int come any
     while thead ! : Nul)
                          if ' ( count 1/ 2==0)
     · C-un-++;
                               ez ()
 Void puch latered made "Then I -vet 1 lot ours - dati).
 I should hade I new no de a latured node of ) wellock tile it
men - node - ) was - nus . desa !
new node -> rest = ( + besid - ref);.
  ( " hand - ref 1= nuis- no de ;
  ind man L)
                head = nell ;
  push ( + head ( is);
```

Puch (« head, 11);

puch (« head, 11);

puch (» head, 41;

puch (» head, 23);

Print node chead);

Yeturn 0;

5).

- i) How among is diff from the links wit is
- ii) maite a programe to add the first element of one list of another list of example one have \$1,2,3} in list 1 and \$4,5,6] to list 2 me have to get \$4,1,2,5] as output for list 1 and \$ 5,1,2,5]
- i) The major difference between acrony and linked Ust's

 "Jan 25 to their structure, smay, one indep data structure

 where could element our of which with on indep. on

 the other head, unland that return on reference to the

 parvious and rept element.
 - # include 21 this.h.D

 # include 21 this i.h.D

 Struct rode

 int. debej.

 struct rode i rept)

3 roil pro(bunt rod + head-ref, but rendered)

3 there no de + manage = (street mod *) malle

C size of (street mod)!

new hode - rest . (& here - ref);

• • • • • • • •

on the second

.

(" head-ref!" new. note.

You'd paint list (athered nodes heard)

Lither at node a temp. heard

while I temp; = Null)

Print of ["Nd; temps desa);

temp = temp-s new T;

Print of ["In"];

].