```
Write a program to Privoil and delete and element at element at element
at the rith and lith position in a United lit where mond it are taken
from the west.
+tondode <stdians
attendada c stallib.to
 struct ned ?
                                                                yes and per
 Port data?
 stikellar Nodus next;
 3:
 otruct Node + head!
 ? (nth?, atchta) troan? biou
 Node *temp = new node ();
 tomp -> dolta = dodta;
 temp -> next = noll;
 if (n==1) $
   temp -> rest = hand;
    head = temp;
    return;
void delete (Port & &
 struct mode a temp = head;
 4 (x==1)8
   head -temp - rent;
                                             1 1 1 de la la des la la la des antes
free (temp)
   return;
Node + temp = head;
 for (int 1=0; 12n-2; 941)
 temp = temp -> rest:
 temp- rest - temp- rest;
 temp -> roit = temp;
 Void print ();
 for (int =0 ; 12K-2; 9++)
                                                             I down how their
 temp = temp -> rext;
 free (temp);
```

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Pat main() $
et nixik;
 head = NOU;
 printf l' Enlerth position for externesting: ");
scarf ("1.d", fn);
scant (" 1d 1 d 1)
Inset (4,n);
printy 10 Enter the position to deletel;
                                                                   P. J. S. 30
scant ( 12d', $ x);
Delete (x):
Print (x);
 retown;
obster about the
a include astallible
street node ?
    "nt data;
    street neds next;
void print list (attest rode-a head)
 Printf ("Kd > " (Ptr-1dute ))
 ptv = ptr -> rest;
 Printf ( " NOU . Th ");
 uoid push (street reds + head first class)
 street node + now = (street role) maller (size of theel nedul);
 new - olete = olete:
 row - rest = * head;
  * head = row!
 strad rade * marge (stratheds + a , stret rade + b)
  struct rods take;
 struct rost + fast = fale;
  Fate ned = ned ;
  while (1)5
   if (a == noll)
```

```
toul -> new = b;
 break:
 alse if (b=null)
  tail - next = a;
  break;
 che
  tail - ) rout = a;
  tarl =a;
  a = a -> next;
  tarl -> rest = b;
  4
votom fake next:
void mash()
Port toys (J= $1,2,3,4,5,6,73
and n= size of (keys) /size of key (a)
 structed now a = null; + b= null;
for (int = n-1, 9,0 ; == 9-a)
   push (fa, teys [i]);
for ( fit ? × n-2; ? > = 0; ?= ?-2)
    push (fb; key[i]);
 strust node + head = merge (0,6))
 print Lest (head);
               I not it should be particular it in showing at I found
```

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=)
     # Probable < state. h>
     Pot top =- 1;
      int x;
     chan stack [100];
      world push (int x);
      chan pop()
      int main()
      Pat P, n, a, t, k, F, Som= 0, Count = 1
      printf ("Exter the number of elements in the stack"),
      say (",4", fn);
      for (=0; ? n; ? ++) }
      printy l'Enton next dement");
       scant 1 " y.d", fa);
       posh (a);
       printly ("Enter the som to be cheeked ");
       sconf ("Y.d", 4K);
      for (1=0 ; icn; ?++)
       t = pop();
       Some ti
       Court += 1;
       if (som == 14) {
       -for (intj=0; jecoont; j++)
       prorty (' ".d", slock [j]);
       f -- ;
        proof;
       3
       · posh (t);
       if (F1=1)
           print ("The elements in the slack don't add up to the som");
         Void push (Potx)
         9 1/ (top==99)
            printf 1" In stact is full 11/n9;
             veton;
```

```
6 . 4
top=top+1;
Stock Flord = x;
chan pop()
 If (slack FlopJ=x)
  charpop()
  4 (stock [+40] ==-1)
  Frintf ("In stack empty")
  retorno:
  x = slack Etop);
  top -- ;
# Proclude (Statio h)
# define 5126 10
 void insett (int);
 void delete();
  int quew [10], f=-1, v=-1;
  void main () ?
    and value, choice;
    while (1) §
    Print ("Inha MENU * In");
    print (" 1. Ensection in 2. Derivation in 3. Reverse in 4. Alternation);
     party ("In enter your choice");
    scan ("1.4", f choice);
    $ ( choice = =1) }
      Print ("Enter the value to be insert: ");
      conf ("xd", & whu); Frank; }
```

```
else ! (choice = 2)
 } dolate 1);
     best:
edicil Choice=3)
 I print ("The Roward queunix");
   - ( End (= 512€; i>=0 | 1--)
  { if (quine [i] := 0)
    Cortinue;
    pud] ["x-1", quus [1]);
 che y (chelo == 4)
  F print [ "Alternate Obriet of grown)
     for (inti=0; icsize ; 1+4)
    } | (dono (1): 10)
      Lismab !, Par ] forth
     best;
  de of (chou == 9)
       cast(o);
  ebe }
       prid (" way sekton")
   Void Pried (and volus)
    1 ((F = =0 ff Y == 512 G-1) / F == >+1)
        ("hope infol") thing
```

```
ches
      if (F==-1)
      F=01
      Y = (Y+1) % 572E;
      queufy] = Value;
      prof ("In Investion success!");
     37
     void delete Of
      1 (F==-1)
      printf ("In Quois Empty");
      print ("In Delated = 7. d", grusu [F]);
      F = (F-11) 7. 51ZE;
      1 ( F==4)
       F = Y= -1;
-i, thow array 91 differed from the linked list?
     The Major difference between Array and linked lett regards to their
      structure. Acrays are index based data structure where each clement
      associated with an Prodex. on the other hard, linked led releif on
      refrence to the previous and man element.
一つき
      # Andude ( station)
      # Producte (Stall boh)
       struct mode
       Prot date;
          strod node * red;
```

```
word post (struct node + + head of, Fril rew-date)
steed node new_rode = (street nooter) mallor (8130 of (street rodul);
new-node -> date = new= data;
new-node -> need = (+ hand-ref);
 (* hand-ref ) = now.modu;
Void privilled (struct nodes hand)
struct node * temp = head;
 while (-tomp! = NULL)
   proof ("xd", temp-> data);
  temp = temp-most;
 Busy (UN"):
                                   the felled of the next damping of
```