Proclude (state W) # Prolide Lattions void ins [wide , int, int] Int size =0, struct nodes Prit data; struct hode next; Node of get node (int data) Node new rode = (instruct rode +) mall bu (new node); new node - + data = data; new node -) next = null; return new node; void ins (node + current, int pos, int data) ? (pos <- 1 11 pos > 3? 38 +1) Print & (" Invalid ,);

```
1 node + temp = get node (dates);
   temp = suent = x convent;
   x curent=dome;
  corrent = & (" corrent) -> rext ;
size ++)
 ed print (struct node & Leave)
  while (h'/ = null)
 print + (" r.d", head -) data);
  head = head - > next;
 print & C"n");
void det (Struct node * Lead-lef i'nt pos)
fif (head - rof = = NUI)
  return;
  bemp = nead - ref;
et (pos = 0)
```

* head - net = ternp - s next; Gee Crempli Por (int ?=0; temp!= null 22 TEPOI-19:4+) temp = temp - next; lace (terme - next); temp -> next = next struct node * head = Noll; Fugh (& head, 7); posh (& head, 8); Posh (& head, 6) (8), F, bood, 7, 15): det Ch head, wi); prat list (head); ratorm (0);

```
or include astalons
at include cetalo w)
 struct node
  Ent date;
  struct node
  void prend litt (struct note " hear?)
     stract wode & by = Hoad;
      Sprint & ( 10/0 d )" Ptr = 1 dota);
Ptr = ptr - > next;
      " (" [1] old " ) tong
 void push (smuct node " head, ent dada)
   g truct Node new = (struct node ) malbe (sige
                                   of (smuch node)
  new -> data = data!
    new - Next = * Leaved
    " head = new;
   smuch note merge (stract note a smuch rate)
   Ethat hope garring
   stuck node + fail - duny,
    during rext = NULL;
   while (2)
```

```
of (a= = NULL)
  break!
  elso 86 (P== 4015)
   tail = next = ar
   Etail -> next = 0;
   wil = a;
    a= a- rext;
   tail - next = b
    tail = 6;
   b=b-n next;
   return during nent;
 Pat Keys[]= {1,2,3,4,5,6,7};
  int n = 3:30 of key3) (size of key 6)
  Struct product a= NUII , b= NUII ; b= NUII ; b= NUII ; b= NUII ;
   post (dea, keys (i));
  push (leb; Feg (i) }
```

shock node ocead = nergero, 6)

print list (head);

#include (sidio.h)

void kind (int on [], int n, int s)

int gom = 0;

int leo; len; let)

while (sum = s & g hen)

f sum = an(h);

net;

form & C. Earny, ?! retorn; 3 m - = an(6) int main (void) E = 1 arc] = {2,0,0,9,7,3} Ent 8=18; - int w= size of (on) (size of (on (o)) Find (ax, n, s);

Pochoto (state. h) Tradude (State) short node on data; shoot note " next void printer (struct rode + Load) of (head = = NULL) print fer chead I next I gated) void pugt (stroct node head yet, char struct node + node new : (shed noder) malloc caise of (struct rode); hode-I hew-I data = new; note- new - rent = (* head-net); shead_ref) = hade -new; int man () shoot rode + head = wolf push (& head, 4); Push (& head 3); Posh (& head, 2); Prant new Chead; Pranta normal echead; retorn o's }

void provid atternate asked note" heard) Prot court =0 ! while chead ! = noce) f ? ((count 1, 2 ==0) count cahead of data head = head

5) in Amory to a cot of sinclar objects stored an acondition womand association owler variable are but the both ist is on a delege structure which contains a sequence the elements where each element IT mobile = stations) gut main() ([[001] so [001] Is the " KY X X, POS, N=10" (or (2=0; 2210; i++) srand ("".d": gat [i]); sant ("1.d" qa2[i]) Bon (3=0; 354 ; +1+) Part & C".1.d", a (2) 1 x = a2(a). For (8= 1) (7 = POS ; (- -) 07 (8)= 07 (8-3);

a (1905 - 1) = x;

Gov (19 = 0; 9 c x; 9 + 4);

Gov (19 = 0; 9 c x; 9 + 4);

Gov (19 = 1; 9 c x; 9 + 4);

Protorn 0;

Protorn 0;