temp = heats tempsoneat;

try > heat - try

```
voidprint ();
for (inti=o, i < k-2, it +)
 temp=temp=next;
 free(temp);
intmain() {
int n,x,k;
head=Null;
Printf ("enter position to and in sexting:");
Scanf ("Y.dy.d", 8 h 8 x);
Insext (x,n);
Printf (Enter position to de leta)
Scunf [11/1 1], 8k);
Delete(x);
Print (n)
Yeturn;
3
```

```
3. # include Cstdio.b>
 # include 4stdlib h>
  Struct hodes
     int data;
     Struct hode * nort;
    Void print list (Struct node * hogd)
  Printf("J.d -") (ptr > dafa));
   pts=pts-nent;
  Printe ("Null/n");
   void Push (struct hode * head, int declare)
  struct hada * n = ( struct hode ) Malloc
             Lsize 6 p structuade));
   n - 7 data = 09 ta;
   n > htnt = * head;
    * head>hew.
  struct node & merge (struct node * 9, struct node * b)
  Stricthode faky;
   Struct nout * fail=fakz;
   fake next = hull;
    While (1) &
    i f (a = = hull)
```

```
fail -> heat =b;
 break;
elscif (b=holl)
 Eail Inent = a;
 break;
e 152
 fail -> heat =a;
 fail = 9;
a = a ->hryt;
Fail->neat-bi
borcturn Palse hext;
y voidmain()
int Feys []= {1,2,3,4,5,6,7}
inth= size of Ked/size of key(o)
Strict mode & 9= Null) * 6= Null;
for (inti=n-i,i) os i=i-a)
  Push (4) Keyskid)
 foo (inti= n-2; i >= o; i=i-2)
Push(thb; Key Ci)
 Structhody & head=mergela, b;
 Print list (head)
3
```

```
Hinclude cstoio.h>
inttop=-1)
istx;
Char Stack [100];
Void push (int x)
Charpop();
int main ()
inti, n,4,+, k, &, Sum=0, (ount = 1;
Print & (" Enter no of elements in stack ");
scanf ((17.0", & n);
Folizo; izh; i+t)?
Printf ("Enter next element")
scanf (">, 0 1, 89);
Push (a);
print ("Enten the sum to check it");
Scynp [1/7.0", & K);
forli=o;ich;itt)
t = 90p();
Sunt =+;
canf +=1)
if (sun== K) {
for (int j=0; j < count j j+t)
Print f (1/1. d", Start [i]);
F=1)
break;
```

```
Push (45)
RE (41=0
Printf ("The chements are not equitors sun");
Veidoush lintx)
$ 8
17 (top==19)
 Print Form Stack (SPOIL (NY))
top=top+11
Stact(top) = x;
F ( Stack [top) = = -1)
frint f ( "In stack recording)
return og
x = stack (top);
top= top-1;
 8 Ttus may
3
```

```
F include cstdiu.h)
# include & Stack.h"
A include " QQ. 4"
int ma m/)
Int. h, a>1[20), i, i=0;
Notion + stack (s)
   Print + ("entes no");
   5 (94E (1/2-0)) & h);
  fooli= oich, rtt)
 Print Plue ntervalues: 1);
Scanfilly of 1, SusiCiD)
Far (1:0) ichijtt)
insert (900 Cid)
 while (ij=h)
{ push ( & s , de f ( ));
  i++;
Printf ("reverse F");
 while (stop ! = - D
 9 print + (11/2-011, popl&s))
 3 britt (((1)))
 returno;
```

```
ii) Findudecstdio. h)
 # include CStUllb.b)
  Structhodes
   sytdata;
   Strudnode & next;
  void print node (struct hade & hoad)
  intrount = 0
   while (head = hull)}
  14 ((0 unt 1/2 = =0)){
    print P(11 x . d 1), head => datas;
     (ounf + t)
   nead = head -> next;
  void push (structuode * * head ref, jul new_ dafa)
  struct node to new_node = [structhod ex) nalloc(size of [structhod])
  new-node -> data = new- data;
  how_nove - next = (* hend-rex);
   intmain()
   structuode * head-null)
   Push (Shead, 12);
   push ( & head , 24);
  Push (8 head, 11);
  push ( & head, 23);
  Push( & head, 81;
  possit & head Chead
   Print & hour (head)
   returno;
```

```
The major difference between array and laked list requids to
  theirstructure, arrays are index based data, structures.
  Where each elementes associated with an inder on the
   other hand, linkers list helieson x of Peroqueto the previous
   and hest elements.
III #include estdio. h>
  Hindlodez stall. h)
  struct node
  intdaty;
  Sturetmody Structhode & heat;
  voidpush (structhode x x hard-reff, int. heurdate);
  S
   2 struct have * new hode = (truct hode*) Malloclass = 07
                                          [structhode))
  new-nove -> data = her _ data)
  hew_node -> next = (8head_ret);
  (thead_xxt) = hew_hode;
  voidprint list (struct hode * head)
  struct node * temp - head;
   while (temp1= Null)
```

5.

Printf ("yd", tomp > data); temp= temp->next; Printf(11 1511); 7.