(Expt. No :1
	Write a program to insert and delete and element
	al remain at the non and kin and to
	the day taken from the week
1,	H include 2 Mails in >
	# include < cidib. h>
	Strutt node f
_	int data d
	struct node & neut.;
_	3;
-	Struct node * head;
	void insect (int data, int n) ?
_	Node x temp = new node (1;
_	temp -> data = data;
	temp -> next = Null;
	if (n = = 1) 4
	temp -> neit = head:
	head = temp;
	return';
	7
	void Deleti - (intre) [
	Struct Node & temp = head;
	if (K = =1) {
	head = temp -> next;
	fvo (temp);
2003-1002-	return
	2
	mala de man - head.
_	Hode of temp = head; for (inti=0; i < n-2, itt) {
_	for (Int 1 =0, 1 < 0 - 2, 171)

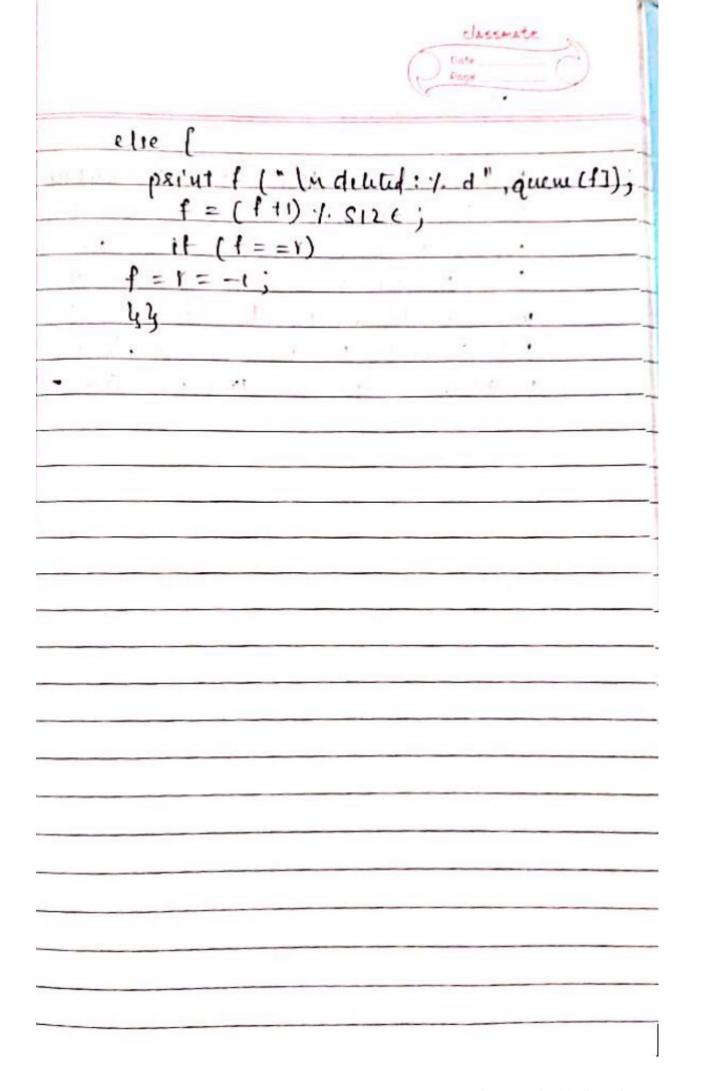
```
temp = temp -> nort;
temp -> next = temp -> next;
   temp - nut = temp;
  Void print (1;
  for (int i=0; i x k-2, i++)
    temp = temp -> next;
    free(temp);
  int main () (
  int n,x,K
  head = Null;
    print + (" Enter the position for investing:";
   Scanf ("7. d", &n);
   scanf (" y. d", 2 9);
   insert (7,n);
 print & (" Enter the position to delete");
   scanf (" / d", 2.11);
    Delete (11);
    print (3)
    veture >
```

```
tail -> next = b;
    break;
    else if (b=Null)
     tail -> next = a;
     break;
     eliel
     tail - nect = a;
      qail=a;
a=a→next;
      tail => @ & next - 6;
     void main ()
    int keys [] = $1,2,3,4,5,6,7}
  int n= size of (keys) / size of key co]
    struct node & a = null; + b = null;
    for (inti= n-i, [70; i= i-a)
    for (int i= n-2; i>=0; i=i-2)
    pueh (&b; key [j]);
Struct note of head = merge (a,b);
   print list (head);
```

```
puch (1);
it ( #!=1)
print f (" The elements in the stack don't
      up to the sum");
 word puch unt x)
  ît (top = = 99)
 print & [" Instack is F. VLL 111 /0"].
 leturn:
top = top + 1;
   Ctack [top] = X;
   char pop ()
    it (stack [top] === +;
    print & (" In stock empty")
  return o;
   K = stack (top)
      top = top -1
```

Exp . 4
At include < stolio . 4>
th define SIZE 10
void insort (int);
yord delet (+;
tut quem [10], f=-1, 1=-1;
void main [1]
int value, choice:
while (1) &
print ("Inln * * MENU* * 10");
print + (" 1 Insention In 2. Deletion In3.
Reviere 4. Alternati")
printf (" In Enter your choir");
scant ("Y.d", & choice);
switch (choin) (
case 1: psint ! (" Enter the value to be insat:");
scart (" if. d", & value);
fural (value);
break;
Case 2: deserci;
break;
case 3: print & (" The reversed quem is ")
for put 1=size; 12=0; 1)
?
: (que (i] = = 0)
eputlace;
print & (uy.d", quem (i));
- By
break;

```
Care 4:
     print + ( + Aternali etements of quemy
      for (inti=0; izs12 c : tucy
       it (quem (i) = = 0)
         confinue;
        print f ("1.d", quem ciz);
         break ;
Carer: exit (6)
   délault: print & [ " wions selection")
       3
       yord juint lint value) ?
       if (il == 098 r == Stre-1) 111:
       print & (" In Quem is full")
             r = (rti) y. size;
           quem (r) = vaim;
          palut 1 ( " In insertion cucessus
           void delete () }
            if (f = = -1)
         print ( a in Quene is empty ")
```



Classmate Date Page

Exp. 40: 5 (1)

How array is different from the whele list;
The major difference blow array and whele list;
regrads to their structure. Arrays are index to
data structure where each element according
with an Pudex. on the other hand, links
list relies on the other bound, links
on reference to the previous and ment de