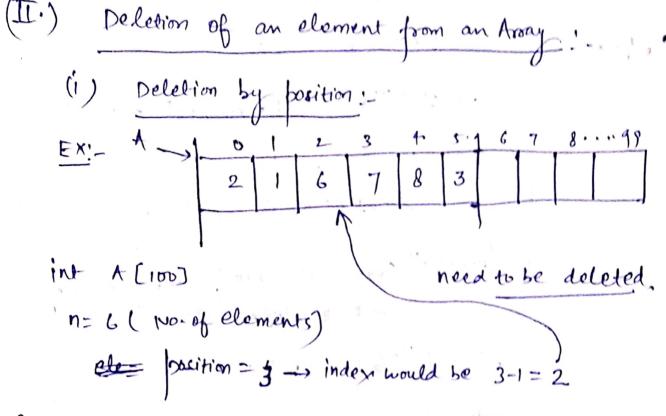
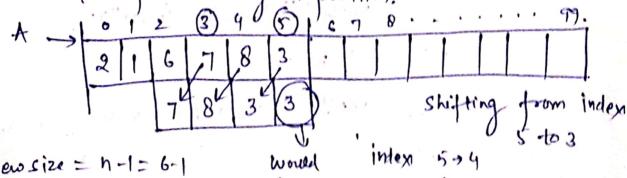


3



After deleting element at index 2 which is 6, we will shift all elements after 6 i.e. 7,893 to left side by



New size = h-1= 6-1

gargage Now

3-12

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```
final Array would be
2 1 7 8 3
```

code: - # include < stdio.h>

Void main()

2

Inbut

brintf! !! Entor size! ;

printf(" Enter size"); Scanf(" %d", fn);

printf ("Enter %d elements", nj.

for(1=0; 1'<n; 1'++)

Scanf ("10/0d", 4A (i));

pointf (" Enter at what positron elementyon naut to delete 7").

Scanf ("0/0 d", 4 pos).

index = |005 - 1;

if (index < 0 || index > n-1)

printf (" Invalid index");

else if (n==0)

printfi (" Underflow, nothing to del

else

3

for (i = |pos; is i <= n-1; i++)

A [i-1] = A[i]:

N= n-1;

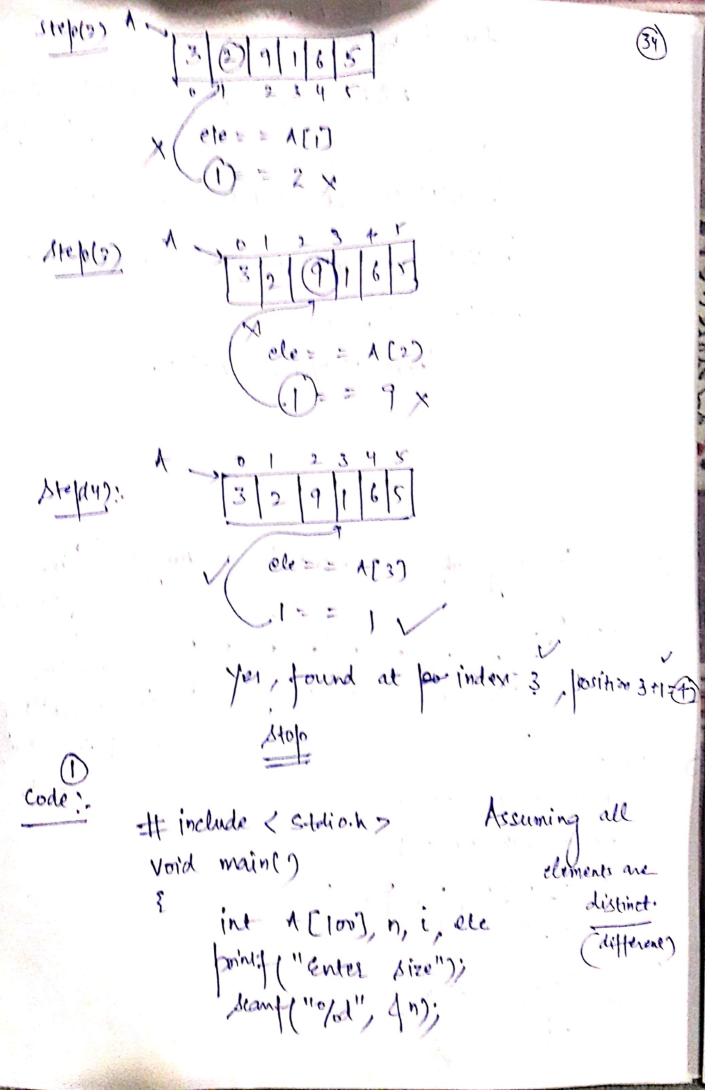
|mintf('' clement deleted = 0/od", ele);

|mintf('' horay efter dedetion of clement in");

for (i=0; i<n; i++)

|mintf('' 0/od \t'', A[i]);

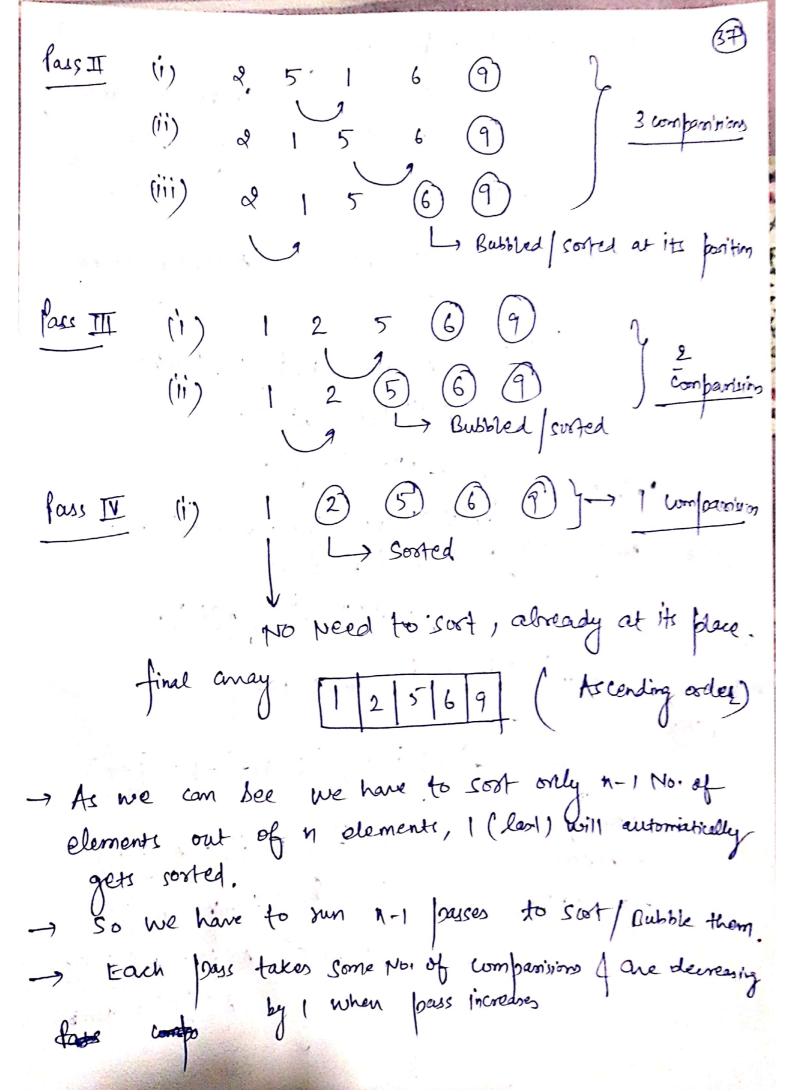
]



printf ("Enter % delements", n) for (i=0; i<n; i+t)

seanf("0/0d", (A(i)); printf (" Element clement you want to search?"). son (" %d", & ele); (i=0; i(n; i++) orintf ("Element Not found"). Assuming elements one Repeating 0 f=0; for (1=0; Kn; i++) !f (A[i] == ele) printf (" % od found at pasition : /sd", ele, 1+1).

printf(" Element Not found"). Sorting: - (Bubble sort) To arrange the data either in ascending or decording order. Bubble sort: - In this bosting we will compare 2 elements at a time (adjacent to each other) of shift larger element to left of smaller to sight likewise for whole analy Bubbling largest cloment at last position). 5 9 2 1 6 -> Actually have to (Rubble) Sost 4 elements out of 5 best 6 | element will automatially be 5 2 9 5 demens 6 9 > Bubbled/sort at its position. Yearl (CA) 5 2



Companisions decreasing ay I for every # include < Stdio.h> Ascending order) Void main() int A [100], n, i, j, temp. (point ! (" Enter Size ") / scanf ("0/0d", 4n); printf ("Enter %d elements", n); size of Array slements for (i=0, i<n; i++) Scanf ("%d", & A [i]); enfor (, i=1', K= n-1', i++) [for (j=0; j<=n-i-1; j++) A[j] > A[j+1]) Compandsions p temp= A(j); TACJOS ACJ+D> A[JPI]=temp;

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Print (" Assay after Sorting"); for (1=0; kn; 1++) printf ("b/d It", A [i]); of an element from (11) Deletim by element: int A[100] n=6 (No. of elements) element to be (ele) = 6 deleted we will first seach that element of then will delete it It not found them array will remain same. Input size, elements of anay of element code:to be deleted 1 do it

for (i= 0; i<n; i++) if (A (i) = = ele) for (j=i; j <= n-2; j++) *[j]= *[j+1]; h= n-1; freak; J it use then only del it (f = = 0) print (" element Not found, so can't devel it"). mint (" Final Array") for (i=0; i<n; i++) print ("ofdit", A [i])