

Algorithm to count distinct elements in an array

step 1: start

step 2: Input the size and array elements.

step 3: Traverse the array from the beginning

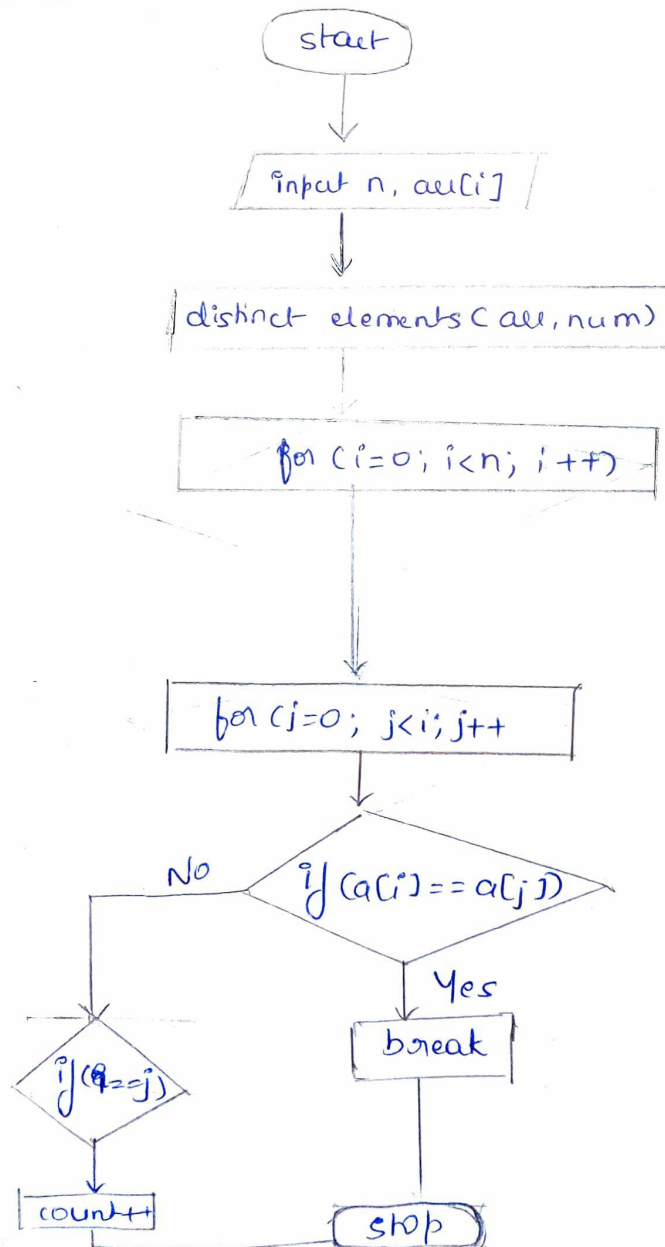
step 4: check if the current element is found in the array again.

step 5: If it is found, do not count that element

step 6: Else print the count and continue

step 7: stop.

Flowchart:-



Algorithm

step 1 : start

step 2 : Input n

step 3 : for $i=0$ to n do:

input $a[i]$

[End the step 3 for loop]

step 4: for $i=0$ to n do:

step 5: for $j=0$ to i do:

if $(a[i] == a[j])$

break;

[End the step 5 for loop]

step 6: if $(i == j)$

count++

[End if]

[End of step 4 for loop]

step 7: output count

step 8: stop.