

Algorithm to count distinct element in an array.

Step 1 : start

Step 2 : Input n

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

Input $a[i]$

[End of 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 of 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

Flowchart:

