

C program to count distinct elements in an array.

Algorithm:

1. Start
2. Input n
3. Repeat step 3
 - for($i=0$; $i < n$; $i++$)
input $a[i]$
4. Repeat through step 4
 - 4.1 for($i=0$; $i < n$; $i++$)
 - 4.1 a) $p = a[i]$
 - 4.1 b) flag = 0
 - 4.1 c) Repeat through step 4.1c.
 - for($j=0$; $j < n$; $j++$)
{
if($j \neq i$)
{
flag ++
break }
}
 - 4.1 d) if(flag == 0)
count ++
5. Print count
6. Stop.

