



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 4.1 c.  
for( $j=0; j < n; j++$ )  
{  
if( $j \neq i$ )  
{  
flag ++  
break }  
}  
4.1 d) if( $flag == 0$ )  
count ++
5. Print count
6. Stop.