

C program to count distinct elements in an array

Algorithm

1. Start
2. Input n
3. Repeat step 3
4. 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

Flowchart:

