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1)

#include<stdio.h>

#include <stdlib.h>

static int remove\_duplicates(int\* nums, int arr\_size)

{

if (arr\_size &lt;= 1)

{

return arr\_size;

}

int i = 0, j, count = 1;

while (i &lt; arr\_size) {

for (j = i + 1; j &lt; arr\_size &amp;&amp; nums[i] == nums[j]; j++) {}

if (j &lt; arr\_size) {

nums[count++] = nums[j];

}

i = j;

}

return count;

}

int main(void)

{

int nums[] = {1,1,2,3,4,4,5,6,6,6};

int size = sizeof(nums)/sizeof(nums[0]);

printf(&quot;Original array:\n&quot;);

int i;

for (i = 0; i &lt; size; i++) {

printf(&quot;%d &quot;, nums[i]);

}

int count = remove\_duplicates(nums, size);

printf(&quot;\nAfter removing duplicates from the above sorted array:\n&quot;);

for (i = 0; i &lt; count; i++) {

printf(&quot;%d &quot;, nums[i]);

}

printf(&quot;\n&quot;);

return

}

Algorithm to print distinct numbers in an array

1. Declare and input the array elements.
2. Traverse the array from the beginning.
3. Check if the current element is found in the array again.
4. If it is found, then do not print that element.
5. Else, print that element and continue.

FLOWCHART FOR DISTINCT NUMBERS IN ARRAY

