**Write a C program to count distinct elements in an array.**

#include <stdio.h>

void distict\_elements(int a[], int n);

int main()

{

int size\_array, i, arr[20];

printf("enter the size of the array: ");

scanf("%d", &size\_array);

printf("enter the array elements: ");

for(i=0; i<size\_array; i++)

{

scanf("%d", &arr[i]);

}

distict\_elements(arr, size\_array);

return 0;

}

void distict\_elements(int a[], int n)

{

int i, j;

for (i=0; i<n; i++)

{

for (j=0; j<i; j++)

{

if (a[i] == a[j])

break;

}

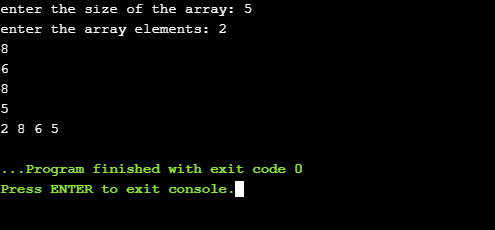
if (i == j)

printf("%d ",a[i]);

}

}

**Output:**



**Algorithm:**

**Step1:** Declare and input the array elements.

**Step2:** Traverse the array from the beginning.

**Step3:** Check if the current element is found in the array again.

**Step4:** If it is found, then do not print that element.

**Step5:** Else, print that element and continue.

**Flow-chart:**

