**C PROGRAM :**

**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];

scanf(“%d”, &size\_array);

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;

}

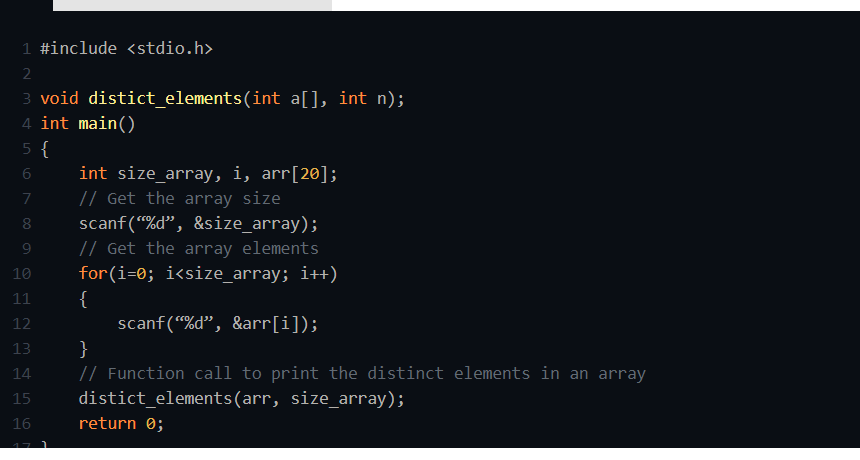
if (i == j)

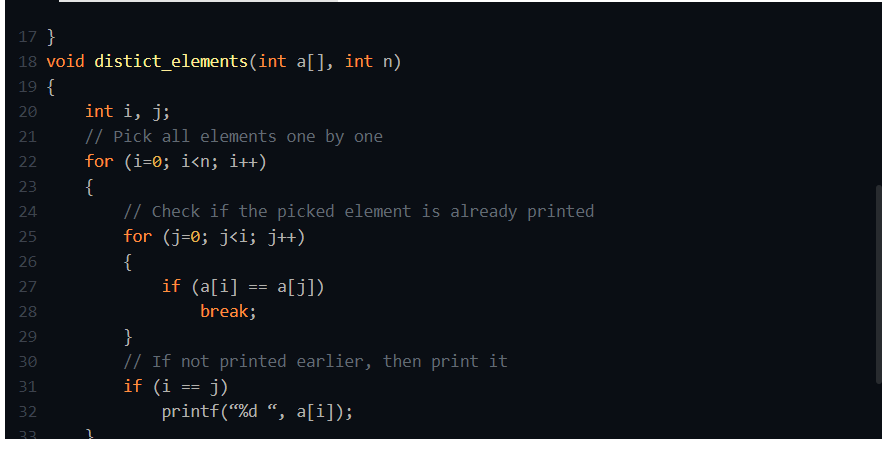
printf(“%d “, a[i]);

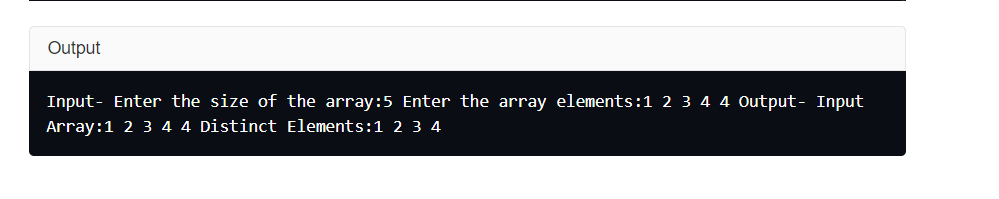
}

}

**SNAPSHOT OF C PROGRAM:**







**ALOGRITHM:**

**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 the element.

**STEP5:** Else, print that element and continue.

**FLOWCHART:**

