

1) Write a C program to count distinct Elements in an Array.

Algorithm:-

~~* Dec~~

Step 1: Declare and input the array Elements.

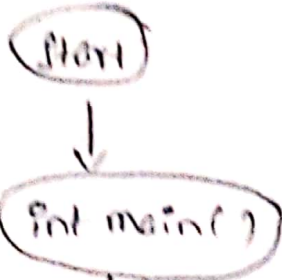
Step 2: Traverse the array from the beginning.

Step 3: Check if the current element is found in the array again.

Step 4: If it is found, then do not print that element.

Step 5: Else, print that element and continue.

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```
int arr1[] = {1, 5, 8, 5, 7, 3, 2, 4, 1, 6, 9};
int n = sizeof(arr1) / sizeof(int);
int i, j;
```

Printz ("the given array is :")
i = 0

$i < n?$

NO	yes
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```
Printy("%d", arr[i]);
```

```
Print (" /n");
Print ("Unique Elements in
the given array are: /n");
i=0
```

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return 0

$$j=0$$

End

△

~~$$a \wedge b \vdash a \wedge b$$~~

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```
Print("7.8: a and c")
```