Algorithm to Count distinct elements in an array:

step 1 : start

step 2 : Declar and input the array elements

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

step 6 : stop

Flowchart:

start

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

```
printf("The given array is:");
i = 0
```

i < n?

NO

yes

```
printf("%d", aee[i]);
```

i++;

```
printf("\n");
printf("unique elements
in the given array:\n");
i = 0.
```

i < n?

No

yes

return 0;

End

j = 0

j < i?

aee[i] == aee[j]?

NO

j++

i == j?

NO

yes

```
printf("%d", aee[i]);
```

i++;

STOP