Flowchart.

```
         ( int main )
              │
              ▼
    ┌──────────────────────┐
    │ int arr = [ ]        │
    │ int n = sizeof(arr1)/│
    │          sizeof(n)   │
    └──────────────────────┘
              │
              ▼
    ┌──────────────────────┐
    │ int i=j;             │
    │ printf("The given array")│
    └──────────────────────┘
              │
              ▼
           ╱╲
          ╱  ╲
         ╱ i<n?╲ ──── Yes ──────┐
         ╲    ╱                  │
          ╲  ╱                   ▼
           ╲╱          ┌──────────────────────┐
           │ No        │ printf("%d", arr[i]) │
           ▼           └──────────────────────┘
┌────────────────────┐            │
│ Print("\n")        │            ▼
│ printf("Distinct element│   ┌────────┐
│  given array are\n")│   │ i++    │
│                    │   └────────┘
│ i=0                │
└────────────────────┘
           │
           ▼
          ╱╲
         ╱  ╲
        ╱ i<n?╲
        ╲    ╱
   No ──╲  ╱── Yes
        ╲╱
   │         │
   ▼         ▼
┌────────┐ ┌──────┐
│return 0│ │ j=0  │
└────────┘ └──────┘
   │         │
   ▼         ▼
 ┌─────┐   ╱╲
 │ end │  ╱  ╲
 └─────┘ ╱ j<i?╲
        ╲    ╱
   No ──╲  ╱── Yes
        ╲╱
              ▼
       ╱╲
      ╱  ╲
     ╱ arr[i] == arr[j]?╲
     ╲                  ╱
 Yes ╲                 ╱ No
      ╲               ╱
       ▼           ┌──────┐
   [i==j]          │ j++  │
   ┌──────┐        └──────┘
   │ i==j?│
   └──────┘
      │
      ▼
┌──────────────────────┐   ┌──────┐
│ printf("%d", arr[i]) │──▶│ i++  │
└──────────────────────┘   └──────┘
   No
```

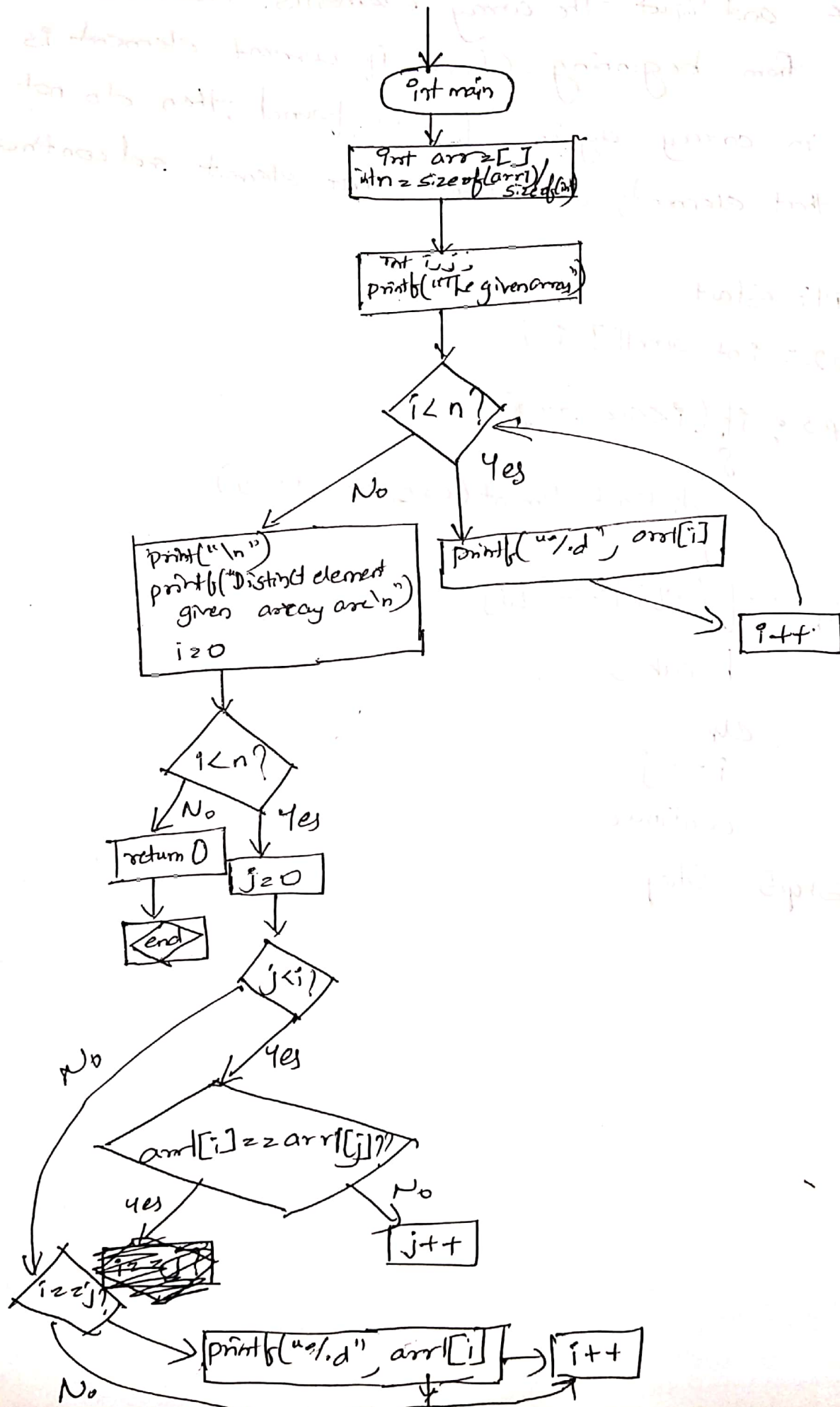## Algorithm

Declare and input the array elements. Traverse the array from beginning. Check If current element is found in array again. If it is found, then do not print that element, else print that element and continue.

Step1: Start.

Step 2: int arr[], i, j;

Step3: if ( i < size_array)
{
    distinct_element (arr, size_array)
}

Step4: if ( a[i] == a[j] )
    break;

else
    i == j;
    continue.

Step5: Stop.