```
#include<stdio.h>
1
    #define MAX_SIZE 100
2
    int main()
3
    {
4
      int arr[MAX_SIZE],freq[MAX_SIZE];
5
      int size, i, j, count;
6
      printf("Enter size of array:");
7
      scanf("%d", &size);
8
      printf("Enter elements in array:");
9
      for(i=0;i<size;i++)
10
11
        scanf("%d",&arr[i]);
12
        freq[i]=1;
13
14
      for(i=0;i<size;i++)
15
16
        count=1;
17
        for(j=i+1; j<size; j++)
18
      {
19
        if(arr[i]==arr[j])
20
21
      {
        count++;
22
        freq[j]=0;
23
      }
24
25
      if(freq[i]!=0)
26
      {
27
        freq[i]=count;
28
      }
29
30
      printf("Distinct elements in the array are:
31
    \n");
      for(i=0;i<size;i++)
32
33
      {
        if(freq[i]==1)
34
        {
35
           printf("%d",arr[i]);
36
```

```
ь
      int size,i,j,count;
      printf("Enter size of array:");
7
      scanf("%d", &size);
8
      printf("Enter elements in array:");
9
      for(i=0;i<size;i++)
10
11
      {
         scanf("%d",&arr[i]);
12
13
        freq[i]=-1;
14
      for(i=0;i<size;i++)
15
16
      {
17
         count=1;
         for(j=i+1; j<size; j++)
18
      {
19
        if(arr[i]==arr[j])
20
      {
21
         count++;
22
        freq[j]=0;
23
      }
24
25
      if(freq[i]!=0)
26
27
        freq[i]=count;
28
29
30
      printf("Distinct elements in the array are:
31
    \n");
      for(i=0;i<size;i++)
32
      {
33
         if(freq[i]==1)
34
35
         {
           printf("%d",arr[i]);
36
         }
37
38
      return 0;
39
    }
40
41
```

Enter size of array:Enter elements in array:Distinct elements in the array are: 0123456789

```
Name ?- Pooja Rajesh Tolckar
 USN :- 4ALIACSOER B' Schoon
1) Mrite a c pologram to count distinct elements unan
   Array'
Algorithum !-
 Step 1:- Start
Step a :- Enput Size, i, s, count
Step 3 % for (1=0:12 = 512e :1++)

freq [1]=-1;
Step 4 ? for ( = 0 ; it size ; i++)
            Count = 1;
          for ( !=1 ; 3 + 512e ; 3++)
           of (an [i] = an [i])
            count ++;
            freg [i]=0;
       )
if (freq [1]!=0)
          freq [i]= count;
```

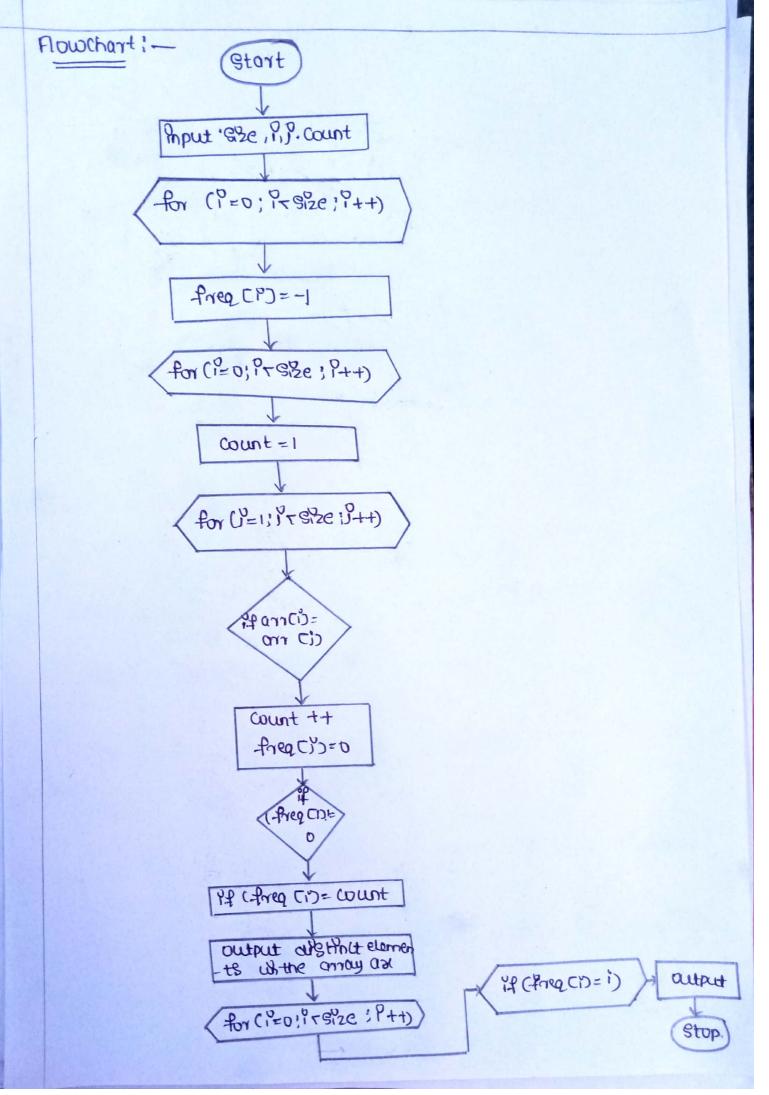
Step 5; Output distinct elements In the array ox

Step 6: for (P=0;PrePze;P++)

Per (freq CP)==1)

OUT put

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