

To count distinct elements in an array

Algorithm

Step 1: Start

Step 2: input size i, j , count

Step 3: for($i=0; i < \text{size}; i++$)

```
{  
    freq[i] = -1;  
}
```

Step 4: for($i=0; i < \text{size}; i++$)

```
{  
    count = 1;  
    for( $j=1; j < \text{size}; j++$ )  
    {  
        if( $\text{array}[i] == \text{array}[j]$ )  
        {  
            count++;  
            freq[j] = 0;  
        }  
    }  
    if( $\text{freq}[i] != 0$ )  
    {  
        freq[i] = count;  
    }  
}
```

Step 5: Output distinct elements in the array are

Step 6: for($i=0; i < \text{size}; i++$)

```
{  
    if( $\text{freq}[i] == 1$ )  
    {  
        output  
    }  
}
```

