```js
// Q1 find duplicate number
let array=[10,8,77,66,55,8,8];
for(let i=0;i<array.length;i++){
    for( let j=i+1;j<array.length;j++){
        if(array[i]==array[j]){
            document.write("Duplicate Number is:"+array[j])
        }
        else{break}
    }
}

// Q2 find occurence of duplicate number
let Array=[10,8,77,66,55,8,8];
for(let i=0;i<Array.length;i++){
let count=2;
for( let j=i+1;j<Array.length;j++){
    if(Array[i]==Array[j]){
    count++;
    break
    }
    else{
        break
    }
}
if(count>2)
{
    document.write("Duplicate number is " +Array[i] + " and ") ;
    document.write("Occurence of duplicate number= " +count);
}
```

Duplicate Number is:8

Duplicate number is 8 and Occurence of duplicate number= 3

Algorithm

Step 1: Start

Step 2: Initialize array, input count=2

Step 3: Input i=0;i<array.length

Step 4: Input j=i+1;j<array.length

Step 5: Decision making (array[i]==array[j])

Step 6: Print duplicate number.

Step 7: Decision making (count>2)

Step 8: Print duplicate number and its occurrence

Step 9: Repeat step 4 to 8 until all values of i

Step 10: Stop

```
                      ┌─────────────┐
                     (    Start      )
                      └──────┬──────┘
                             │
                      ╱──────┴──────╲
                     ╱ Initialize array,╲
                    ╱   count=2          ╲
                    ╲                    ╱
                     ╲──────┬──────────╱
                             │
                      ┌──────┴──────┐
                      │     i=0      │
                      └──────┬──────┘
                             │
                      ┌──────┴──────┐
                      │    j=i+1     │
                      └──────┬──────┘
                             │
                        ◇─────────◇
                       ╱array[i]==array[j]╲
                        ◇─────────◇
                             │
                      ╱──────┴──────╲
                     ╱ Print duplicate╲
                    ╱     number      ╲
                     ╲──────┬────────╱
                             │
                        ◇────────◇
                       ╱ count>2  ╲
                        ◇────────◇
                             │
                      ┌──────┴──────┐
                      │   count ++   │
                      └──────┬──────┘
                             │
                      ┌──────┴──────┐
                     (    Stop       )
                      └─────────────┘
```

Start

Initialize array, count=2

i=0

j=i+1

array[i]==array[j]

Print duplicate number

count>2

Print duplicate number and its occurance

count ++

Stop