Arrays

Q1) Check if repeated elements is there or not

output

```
for(int i = 0 to i<size)
```

fun

```
for (int i = 0 to i<arr.length)
for(int j = i+1 ; j<arr.length)
 if(arr[i] == arr[j]
    true
 else
  false
```

Q2) rotated Array

```
int low = 0
    high = arr.length - 1
while (low <= high)
    mid = (low + high) / 2
if (arr[mid] == key)
    return mid;
```

left half is sorted

```
if(arr[mid] >= arr[low]) {
   if( arr[low] <= key && arr[mid] > key)
    high = mid - 1;
   }
 else
    {   Mid == N   low = Mid+1;
   }
   }
else {
if (arr[mid] <= arr[0] arr[mid] < key && arr[high] < key)
   {
 low = Mid+1
    }
Else {
  high = Mid-1
   }
```