Array questions-:

1.majority element-:

```
class Solution {
    public int majorityElement(int[] nums) {

        int count =0;
        int majority=0;
        for(int i=0;i<nums.length;i++){
            if(count==0 && majority!=nums[i]){
                majority=nums[i];
                count=1;
        }
        else if(majority==nums[i]){
            count++;
        }
        else{
            count--;
        }
    }
    return majority;
}</pre>
```

2.single number:

ı,

3.gas station:

```
class Solution {
   public int canCompleteCircuit(int[] gas, int[] cost) {
      int total=0,avail=0,index=0;
      for(int i=0;i<gas.length;i++){
          total+=gas[i]-cost[i];
          avail+=gas[i]-cost[i];
          if(avail<0){
               avail=0;
               index=i+1;
          }
        }
      if(total<0){
        return -1;
      }
      return index;
}</pre>
```