

1 st Given an array of bird where every element represents a bird type id, determine the id's of the most frequently and least frequently sighted type. If more than 1 type has been spotted that maximum amount, return the smallest of their ids & If more than 1 type has been spotted that minimum amount, return the smallest of their ids.

E.g.: -

Input – [1,1,2,2,4,4,4,5] Output – [4, 5]

Input – [2,2,2,2,4,4,4,5] Output – [2, 5]

Input – [1,2,2,4,4,4,4,5] Output – [4, 1]

Solution:

1. get the unique element present in the array using forEach with its count number. (var count){object with key:value}
2. Sort the count object using values to get maximum number of type of bird
3. Reverse the sorted count object to get minimum number of type of bird.
4. finally, push these two value in final array(let finale[])

2 nd Given a time in 12-hr AM/PM format, convert it to military time(24hr) and you also need to add 45 min & 45 sec in the result and then display the output.

E.g.: -

Input – 12:01:00PM Output 12:46:45

Input – 12:01:00AM Output 00:46:45

Solution:

1. Determine AM and PM

2. Store in dd (let dd)

3. Split the received time by ":"

We have hours, minutes and second

4. If time is "AM" add values directly into variables

I.e. hours = hours, minutes = minutes, second = second

5. If time is "PM" add extra 12 number to the value.

I.e. hours = hours + 12

6. Now, as per condition adding 45 minutes and 45 second to the time

7. Add 45 to minutes,

If number goes above 60,

- calculate the difference,

- Increase hour +1 and

- make minutes 0 and add difference to minutes

8. Add 45 to second,

If number goes above 60,

- calculate the difference,

- Increase minutes +1 and

- make second 0 and add difference to second

## 9. Format the date