

Note: The below questions are very commonly asked in nodejs interviews

Q1.

```
// -write an api which gives the missing number in an array of integers starting from 1....e.g [1,2,3,5,6,7]
: 4 is missing
// Your route code will look like this
app.get("/sol1", function (req, res) {
    //logic : sum of numbers is  $n(n+1)/2$ ..so get sum of all numbers in array. now take sum of
    numbers till last digit in the array
    let arr= [1,2,3,5,6,7]
    let missingNumber

    ///LOGIC WILL GO HERE
    res.send( { data: missingNumber } );
});
```

Q2.

```
// -write an api which gives the missing number in an array of integers starting from anywhere....e.g [33,
34, 35, 37, 38]: 36 is missing
// Your route code will look like this
app.get("/sol2", function (req, res) {
    //logic : sum of n consecutive numbers is  $[ n * (first + last) / 2 ]$ ..so get sum of all
    numbers in array. now take sum of n consecutive numbers.. n would be length+1 as 1 number is missing
    let arr= [33, 34, 35, 37, 38]
    let missingNumber

    ///LOGIC WILL GO HERE

    res.send( { data: missingNumber } );
});
```