

Problem 1 : write a javascript program to extract city and state from the give vehicle number.

rto State and city database

<https://jsoneditoronline.org/?id=00b2588d28cf4d1ca27aad0dfd3e5ec2>

```
var rtoVehicleList = ["MH 01 AB 0001","MH 05 CC 1245","AN 02 PA 1010","CG 10 HG 6584","BR 18 LK 9687"]
```

```
expected Output finalResult = [{  
  "vehicleNumber": "MH 01 AB 0001",  
  "city": "Mumbai (outh)",  
  "state": "Maharashtra"  
  .... and so on  
}]
```

Solution :

```
var RTO = [];  
fetch('https://gist.githubusercontent.com/sibaspage/747915ae2e8de62ed5ee110d4efc9fbd/raw/b0046e0202ae4415da88610eab0acdc052596333/rto.js').then(response => response.json())  
  .then(json => {  
    RTO = json;  
    check();  
  })  
  
function check() {  
  var rtoVehicleList = ["MH 01 AB 0001", "MH05CC1245", "AN 02 PA 1010", "CG10HG6584", "BR 18 LK 9687"];  
  var result = [];  
  let regExrtoWithSpace = /^[A-Z]{2}[ -][0-9]{1,2}(?:[A-Z])?(?:[A-Z]*)?[0-9]{4}$/;  
  let regExrtoWithoutSpace = /^[A-Z]{2}[0-9]{2}[A-Z]{2}[0-9]{4}$/;  
  
  let regExState = /^[A-Z]{2}/g;  
  let regExCity = /\d+/;  
  
  rtoVehicleList.forEach((test) => {  
  
    if (test.match(regExrtoWithSpace) || test.match(regExrtoWithoutSpace)) {  
  
      let stateCode = test.match(regExState)[0].toString();  
      let cityCode = test.match(regExCity)[0].toString();  
  
      let state = RTO[stateCode].name;  
      let city = RTO[stateCode].no[cityCode];
```

```

        result.push({ 'vehicleNumber': test, 'city': city, 'state':
state });
    }
    else
        console.log(test + ' is not valid RTO number ');
    })

    console.log(result);
}

```

problem 2 : write a javascript program to extract and replace names from the string started with '@' if it matches the given name

array and if does not then replace the name with '<no-match-found>'

var string = `Lorem ipsum dolor sit @ajay bind consectetur, adipisicing elit. Totam quibusdam itaque, accusamus odit mollitia saepe

atque ipsam vero explicabo quaerat quos nam culpa sit possimus ea placeat natus @ajay bind voluptatem?

Lorem ipsum dolor sit @ajay bind consectetur, adipisicing elit. Totam quibusdam itaque, accusamus odit mollitia

saepe atque ipsam vero explicabo quaerat quos nam culpa sit possimus ea placeat natus @ajay bind voluptatem?

Lorem ipsum, dolor sit @pawan pandey consectetur adipisicing elit. Maiores, quam voluptatum hic quo nesciunt corporis

possimus sequi perferendis asperiores expedita illum placeat suscipit doloribus inventore laudantium, mollitia

temporibus ut libero.`;

var nameArray = ["pawan pandey" , "ajay bind" , "rahul mutyalkar"] ;

Solution :

```
var string = `Lorem ipsum dolor sit @ajay bind consectetur, adipisicing elit. Totam quibusdam itaque, accusamus odit mollitia saepe atque ipsam vero explicabo quaerat quos nam culpa sit possimus ea placeat natus @ajay bind voluptatem?  
Lorem ipsum dolor sit @ajay bind consectetur, adipisicing elit. Totam quibusdam itaque, accusamus odit mollitia saepe atque ipsam vero explicabo quaerat quos nam culpa sit possimus ea placeat natus @ajay bind voluptatem?
```

```
 Lorem ipsum, dolor sit @pawan pandey consectetur adipisicing elit. Maiores, quam voluptatum hic quo nesciunt corporis possimus sequi perferendis asperiores expedita illum placeat suscipit doloribus inventore laudantium, mollitia temporibus ut libero.`;
```

```
var nameArray = ["pawan pandey", "ajay bind", "rahul mutyalkar"];
```

```
console.log('Before : \n' + string);  
  
nameArray.forEach(ele => {  
    var replace = '@' + ele;  
    var re = new RegExp(replace, "g");  
  
    if (string.includes(replace)) {  
        string = string.replace(re, ele);  
    }  
    else  
        console.log('<no match found > : ' + ele);  
})  
  
console.log('After : \n' + string);
```