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1.1

Screenshot of output

Cars in my Garage	
myArray[0]	BMW M4
myArray[1]	Nissan Versa
myArray[2]	Honda Civic
myArray[3]	Hyundai Elantra Hybrid
myArray[4]	Nissan Magnite
myArray[5]	Hyundai Alcazar

Code Input for 1.1

```html
<!DOCTYPE html>

<html lang="en">

<head>

  <meta charset="UTF-8">

  <meta http-equiv="X-UA-Compatible" content="IE=edge">

  <meta name="viewport" content="width=device-width, initial-scale=1.0">

  <title>Neighbor's Cars</title>


  <!-- css styling within html -->


  <style>

    table{

      border: 1px solid black;

    }
```

```
      tbody tr td {

        border: 1px solid black;

      }

   </style>


</head>

<body>

   <table  style="border-spacing: 0px; margin-left: auto; margin-right: auto; margin-top: 150px;
margin-bottom: auto;">

      <tr  class=" ">

        <th>Cars in my Garage</th>

      </tr>


      <tbody id=" tableView ">


      </tbody>

   </table>


   <script>

     let myCars = [

        {'position':'myArray[0]', 'carType':'BMW M4'},

        {'position':'myArray[1]', 'carType':'Nissan Versa'},

        {'position':'myArray[2]', 'carType':'Honda Civic'},

        {'position':'myArray[3]', 'carType':'Hyundai Elantra Hybrid'},

        {'position':'myArray[4]', 'carType':'Nissan Magnite'},

        {'position':'myArray[5]', 'carType':'Hyundai Alcazar'},

      ]
```

```
        tableFunction(myCars)


        function tableFunction (data){
            var table = document.getElementById('tableView')


            for (var i = 0; i < data.length; i++){
                var row = `<tr>


                        <td>${data[i].position}</td>


                        <td>${data[i].carType}</td>


                    </tr>`
                table.innerHTML += row


            }
        }

    </script>
</body>
</html>
```
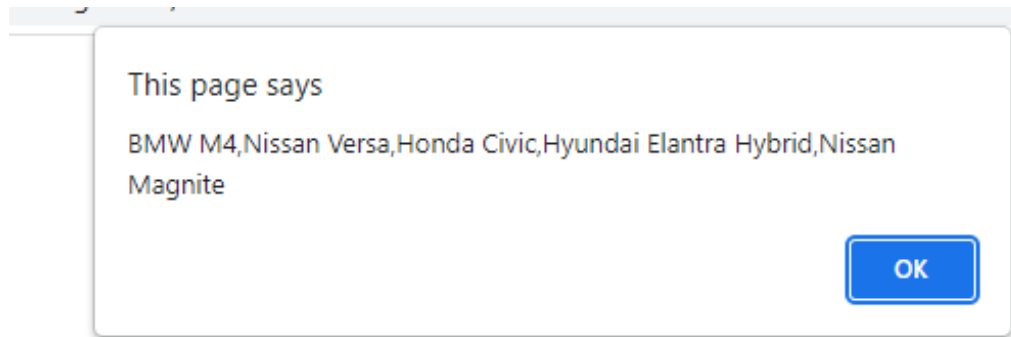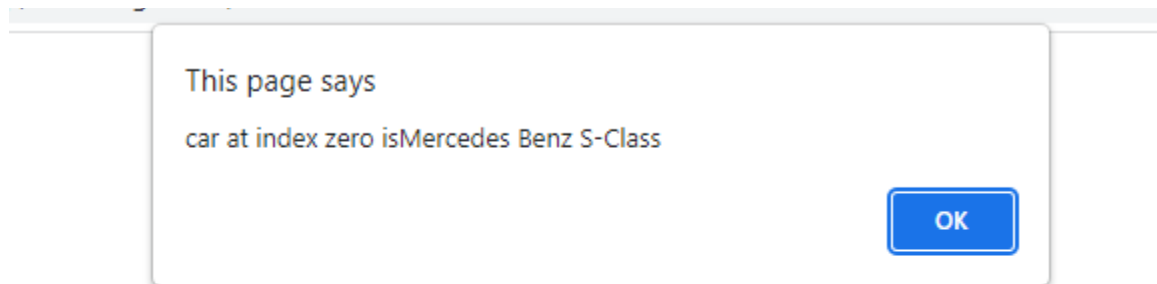
1.2

This page says

BMW M4,Nissan Versa,Honda Civic,Hyundai Elantra Hybrid,Nissan
Magnite

OK

Code

let myCarsToDelete = ["BMW M4", "Nissan Versa", "Honda Civic", "Hyundai Elantra Hybrid", "Nissan Magnite", "Hyundai Alcazar"];

```
myCarsToDelete.pop();

window.alert(myCarsToDelete);
```

1.3

This page says

car at index zero isMercedes Benz S-Class

OK

Code

let carsToUnshift = ["BMW M4", "Nissan Versa", "Honda Civic", "Hyundai Elantra Hybrid", "Nissan Magnite", "Hyundai Alcazar"];

```
carsToUnshift.unshift("Mercedes Benz S-Class")
```

```
window.alert("car at index zero is"+carsToUnshift[0]);
```

2.1

Update Form

Update Date

When was this website updated? : 2022-10-30

Send Update Date

U

This page says

This page was last updated: 2022-10-30

OK

Send Update Date

Code:

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Date</title>

</head>
<body>
```

```html
<h2>Update Form</h2>

<div >

<form>
 <fieldset>
   <legend>Update Date</legend>
       <br>
    When was this website updated? : <input id="date" name="date" placeholder="YYYY-MM-DD" value="2022-10-29" min="2022-01-01" max="2022-12-12" type="year">
    <br>
    <br>


    <div style="text-align: right ;">
       <button type="submit"  style="margin-left: auto;" onclick="submitDate()">Send Update Date</button>
    </div>
  </fieldset>
  </form>

</div>

  <script>
    function submitDate(){
       let dateInput = document.getElementById("date");
       window.alert("This page was last updated: "+dateInput.value);
```

```
    }
  </script>


</body>
</html>
```

2.2

```
I LOVE JAVASCRIPT PROGRAMMING WITH ALL MY HEART
I LOVE JAVASCRIPT PROGRAMMING WITH ALL MY HEART
I LOVE JAVASCRIPT PROGRAMMING WITH ALL MY HEART
I LOVE JAVASCRIPT PROGRAMMING WITH ALL MY HEART
I LOVE JAVASCRIPT PROGRAMMING WITH ALL MY HEART
```
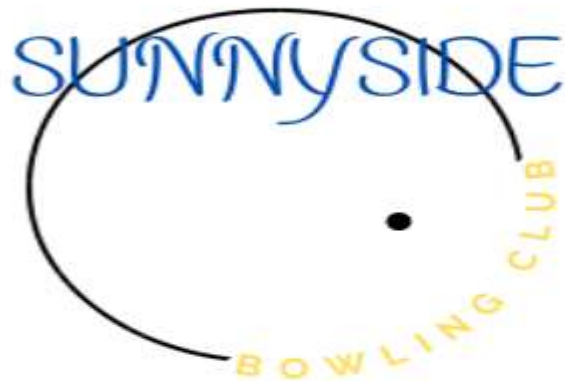
Code:

```
let iLoveJs = "i love javascript programming with all my heart";

for (var i =0; i<5; i++){

  console.log(iLoveJs.toUpperCase());

}
```

3.1

Welcome to Pretoria Sunnyside Bowling club

Sign-Up Form

First name: [   ]

Last name: [   ]

Address: [   ]

Gender : ○ Male ○ Female

Email Id: [   ]

Mobile: [   ]

This page says

Name is required

OK

SUNNYSIDE

Code:

```
<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta http-equiv="X-UA-Compatible" content="IE=edge">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Sunny Bowside Club</title>


<style>

   btns{

      display: inline; margin-right: 20px;


      margin: 0 auto;


   }


</style>

</head>

<body>


   <h2>Welcome to Pretoria Sunnyside Bowling club</h2>

<form name="myForm" action="" onsubmit="confirmSubmittedData()">


   <h2 style="text-align: center ;">Sign-Up Form</h2>

   <img src="sunnyside.png" height="250px" width="350px" style="margin-left: auto; margin-right: auto;">
```

```html
<label>First name: <input name="firstName" /></label>

<label>Last name: <input name="lastName" /></label>

<label>Address: <input name="address" /></label>

Gender :

<label><input type="radio" name="gender" value="male" /> Male</label>

<label><input type="radio" name="gender" value="female" /> Female</label>

<label>Email Id:<input type="email" name="email" /></label>

<label>Mobile: <input name="mobile" /></label>

<label> Location

<br />

<select name="location">

    <option>select option</option>

    <option>Boardwalk</option>

    <option>Brooklyn</option>

    <option>Lynnwood</option>

    <option>Sunnyside</option>

</select>

</label>

</p>

    <button style="display: inline; margin-right: 20px; margin: 0 auto;"
class="btns"  type="submit">Sign-Up</button>


    <button style="display: inline; margin-right: 20px; margin: 0 auto;" class="btns"
>Reset</button>

</form>


<script>

  function confirmSubmittedData (){
```
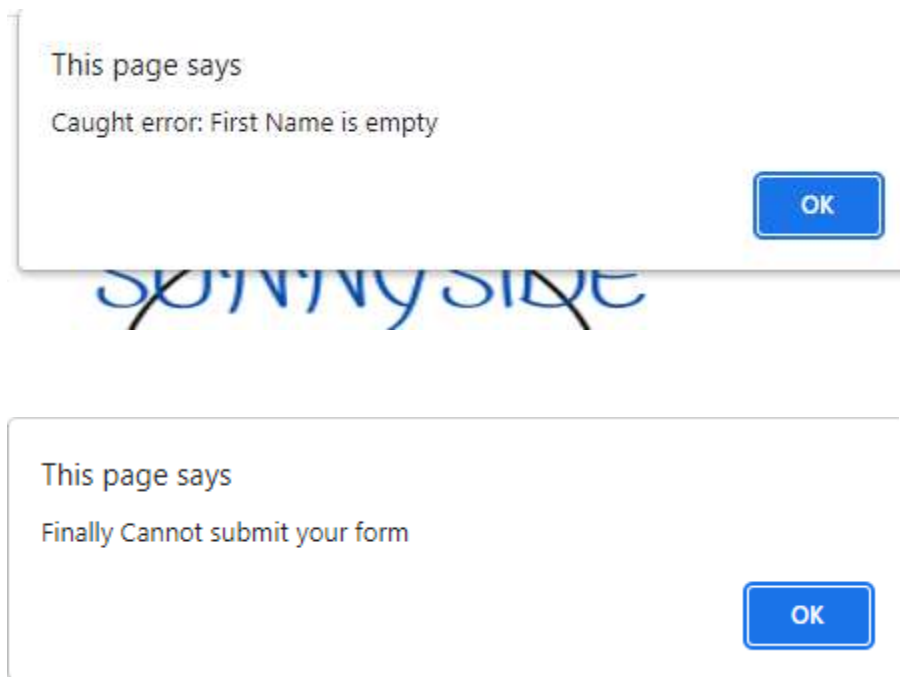
```javascript
var fName = document.forms['myForm']['firstName'].value;

var lName = document.forms['myForm']['lastName'].value;

var address = document.forms['myForm']['address'].value;

var gender = document.forms['myForm']['gender'].value;

var email = document.forms['myForm']['email'].value;

var mobile = document.forms['myForm']['mobile'].value;

var location = document.forms['myForm']['location'].value;

if(fName == ""){

    window.alert("first Name is required");

}

if(lName == ""){

    window.alert("last Name is required");

}

if(address == ""){

    window.alert("address is required");

}

if(gender == ""){

    window.alert("gender is required");

}

if(email == ""){

    window.alert("email is required");

}

if(mobile == ""){

    window.alert("mobile is required");

}

if(location == ""){
```

```
          window.alert("location is required");

        }

      }
</script>

</body>

</html>
```

3.2

This page says

Caught error: First Name is empty

OK

SUNNY SIDE

This page says

Finally Cannot submit your form

OK

```html
<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta http-equiv="X-UA-Compatible" content="IE=edge">

<meta name="viewport" content="width=device-width, initial-scale=1.0">
```

```html
<title>Sunny Bowside Club</title>

<style>
    btns{
        display: inline; margin-right: 20px;


        margin: 0 auto;



    }


</style>
</head>
<body>


    <h2>Welcome to Pretoria Sunnyside Bowling club</h2>
<form name="myForm" action="" onsubmit=" confirmSubmittedData ()">


    <h2 style="text-align: center ;">Sign-Up Form</h2>
    <img src="sunnyside.png" height="250px" width="350px" style="margin-left: auto; margin-right: auto;">


        <label>First name: <input name="firstName" /></label>
        <label>Last name: <input name="lastName" /></label>
        <label>Address: <input name="address" /></label>
        Gender :
        <label><input type="radio" name="gender" value="male" /> Male</label>
        <label><input type="radio" name="gender" value="female" /> Female</label>
```

```html
<label>Email Id:<input type="email" name="email" /></label>

<label>Mobile: <input name="mobile" /></label>

<label> Location

<br />

<select name="location">

    <option>select option</option>

    <option>Boardwalk</option>

    <option>Brooklyn</option>

    <option>Lynnwood</option>

    <option>Sunnyside</option>


</select>

</label>

<button style="display: inline; margin-right: 20px; margin: 0 auto;"
class="btns"  type="submit">Sign-Up</button>


<button style="display: inline; margin-right: 20px; margin: 0 auto;" class="btns"
>Reset</button>

</form>


<script>
  function confirmSubmittedData (){


    var fName = document.forms['myForm']['firstName'].value;

    var lName = document.forms['myForm']['lastName'].value;

    var address = document.forms['myForm']['address'].value;

    var gender = document.forms['myForm']['gender'].value;

    var email = document.forms['myForm']['email'].value;
```

```javascript
      var mobile = document.forms['myForm']['mobile'].value;

      var location = document.forms['myForm']['location'].value;


      try{


         if(fName == "") throw "First Name is empty";

         if(lName == "") throw "Last Name is empty";

         if(address == "") throw "Address is empty";

         if(gender == "") throw "Gender is empty";

         if(email == "") throw "Email is empty";

         if(mobile == "") throw "Mobile number is empty";

         if(location == "") throw "Location is empty";


      }
      catch(error){

         window.alert("Caught error: "+ error);

      }
      finally{

         window.alert("Finally Cannot submit your form");

      }


   }
</script>
</body>
</html>
```

3.3

This page says

Checking cookie: No cookie!

OK

Code:

```
function cookieFunction(){

    var fName = document.forms['myForm']['firstName'].value;

    var email = document.forms['myForm']['email'].value;

    var mobile = document.forms['myForm']['mobile'].value;


    document.cookie=RegCookie;

    RegCookie = "username"+"="+fName+ ";"+
"email"+"="+email+";"+"mobile"+"="+mobile+";"+"expires"+"="+"30*24*60*60*1000";


    if (RegCookie == ""){

    window.alert('Cookie not set');

    }else{

    window.alert('Cookie set');

    }


  }


  function checkCookie(){

    if(document.cookie.length != 0){
```

```
    alert("There are cookies");

  }else{

    window.alert("Checking cookie: No cookie!");

  }

}
```