

WebTech Lab DA-3

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Kindly note: In copy paste from editor to word, sometimes certain characters always copied incorrectly Specially “-” in ng-controller, angular-route etc.

Qs1

1. Develop a JSON program for creating 20 students personal information using the following fields as a inputs and print the outputs in table format (Use any Javascript/JQuery/AngularJS).

student name, date_of_birth(date,month,year),parents(fathers_name,mothers_name), blood_group,email,phone(landline,mobile),address(door_no,street_name,place_name,pincode, country),degree(ug,pg and others).

```
<!DOCTYPE html>
<html>

<head>
  <title>Exercise 1</title>
  <script
src="http://ajax.googleapis.com/ajax/libs/jquery/3.3.1/jquery.min.js"></script>
  <style>
    td {
      text-align: left;
      color: black;
    }

    th {
      text-align: center;
      color: white;
    }
  </style>
</head>
```

```

<body>
  <center>
    <table style="border: 1px solid black;" id="detail_table">
      <form id="form1" class="form1class" action="">
        <thead>
          <tr>
            <td colspan="6" style="font-weight:bold; text-align:center; font-size: 2em;">
              Personal Details
            </td>
          </tr>
        </thead>
        <tr>
          <td><label for="student_name">Enter Name: </label></td>
          <td><input type="text" id="student_name" placeholder="Enter your name..." required></td>
        </tr>
        <tr>
          <td><label for="dob">Enter Date of Birth: </label></td>
          <td><input type="number" id="date" placeholder="Enter date..." required></td>
          <td><input type="number" id="month" placeholder="Enter month..." required></td>
          <td><input type="number" id="year" placeholder="Enter year..." required></td>
        </tr>
        <tr>
          <td><label for="parents">Enter Name of parents: </label></td>
          <td><input type="text" id="father" placeholder="Enter father's name..." required></td>
          <td><input type="text" id="mother" placeholder="Enter mother's name..." required></td>
        </tr>
        <tr>
          <td><label for="blood_group">Enter Blood Group: </label></td>
          <td><input type="text" id="blood_group" placeholder="Enter Blood group..." required></td>
        </tr>
        <tr>
          <td><label for="email">Enter email: </label></td>
          <td><input type="text" id="email" placeholder="Enter email..." required></td>
        </tr>
        <tr>
          <td><label for="phone">Enter Contact numbers: </label></td>

```

```

        <td><input type="number" id="mobile_number"
placeholder="Enter mobile number..." required></td>
        <td><input type="number" id="landline" placeholder="Enter
landline number..." required></td>
    </tr>
    <tr>
        <td><label for="address">Enter Address: </label></td>
        <td><input type="number" id="door_no" placeholder="Enter
door_no..." required></td>
        <td><input type="text" id="street_name" placeholder="Enter
street_name..." required></td>
        <td><input type="text" id="place_name" placeholder="Enter
place_name..." required></td>
        <td><input type="number" id="pincode" placeholder="Enter
pincode..." required></td>
        <td><input type="text" id="country" placeholder="Enter
country..." required></td>
    </tr>
    <tr>
        <td><label for="degree">Enter Degree: </label></td>
        <td><input type="text" id="UG" placeholder="Enter UG..."
required></td>
        <td><input type="text" id="PG" placeholder="Enter PG..."
required></td>
        <td><input type="text" id="Others" placeholder="Enter
other..." required></td>
    </tr>
    <tfoot>
        <tr style="align-items: center;">
            <td colspan="6" style="text-align: center; padding-top:
40px">
                <input type="button" value="Submit" id="submit"
name="submitbutton" />
            </td>
        </tr>
    </tfoot>
</form>
</table>
<p id="display"></p>
<div id="div1"></div>
</center>
<script>
    $(document).ready(function () {
        $("#submit").click(function () {
            details = [
                {
                    "student_name": $("#student_name").val(),
                    "dob":

```

```

{
    "date": $("#date").val(),
    "month": $("#month").val(),
    "year": $("#year").val()
},
"parents":
{
    "father": $("#father").val(),
    "mother": $("#mother").val()
},
"blood_group": $("#blood_group").val(),
"email": $("#email").val(),
"phone":
{
    "mobile_number": $("#mobile_number").val(),
    "landline": $("#landline").val(),
},
"address":
{
    "door_no": $("#door_no").val(),
    "street_name": $("#street_name").val(),
    "place_name": $("#place_name").val(),
    "pincode": $("#pincode").val(),
    "country": $("#country").val()
},
"degree":
{
    "UG": $("#UG").val(),
    "PG": $("#PG").val(),
    "Others": $("#Others").val(),
}
}
];
var tbl = $("<table/>").attr("id", "mytable");
$("#div1").append(tbl);
for (var i = 0; i < details.length; i++) {
    var tr = "<tr>";
    var td1 = "<td>" + details[i]["student_name"] + "</td>";
    var td2 = "<td>" + details[i]["dob"]["date"] + "-" +
details[i]["dob"]["month"]
    + "-" + details[i]["dob"]["year"] + "</td>";
    var td3 = "<td>" + details[i]["parents"]["father"] + "," +
    details[i]["parents"]["mother"] + "</td>";
    var td4 = "<td>" + details[i]["blood_group"] + "</td>";
    var td5 = "<td>" + details[i]["email"] + "</td>";
    var td6 = "<td>" + details[i]["phone"]["mobile_number"] +
", " +
    details[i]["phone"]["landline"] + "</td>";

```

```

        var td7 = "<td>" + details[i]["address"]["door_no"] + "," +
            details[i]["address"]["street_name"] + "," +
            details[i]["address"]["place_name"] + "," +
            details[i]["address"]["pincode"] + "," +
            details[i]["address"]["country"] + "</td>";
        var td8 = "<td>" + details[i]["degree"]["UG"] + "," +
            details[i]["degree"]["PG"] + "," +
            details[i]["degree"]["Others"] + "</td>";
        $("#mytable").append(tr + td1 + td2 + td3 + td4 + td5 + td6
+ td7 + td8);
    }
    });
    });
</script>
</body>

</html>

```



The screenshot shows a web browser window with a single tab titled 'Exercise 1'. The address bar shows the URL '127.0.0.1:5500/Web_Tech_A2:L17,18/WebTech_L17_18/Assessment-3/Qs-1.html'. The main content area displays a form titled 'Personal Details' with the following fields:

- Enter Name:
- Enter Date of Birth:
- Enter Name of parents:
- Enter Blood Group:
- Enter email:
- Enter Contact numbers:
- Enter Address:
- Enter Degree:

A 'Submit' button is located at the bottom right of the form.

Exercise 1

127.0.0.1:5500/Web_Tech_A2/L17.18/WebTech_L17_18/Assessment-3/Qs-1.html

Personal Details

Enter Name:

Enter Date of Birth:

Enter Name of parents:

Enter Blood Group:

Enter email:

Enter Contact numbers:

Enter Address:

Enter Degree:

Binayak Bishnu 11-09-2002 ABD_DEF O+ve example.com 1234567890,0987654321 2,abc,def,700000,India BTech,NaN,NaN
 BB 1-1-2002 qwerty,asdfgh A+ve abcd@gmail.com 1235678930,9876540321 1,fdq,gfrew,700001,India BTech,NaN,NaN

Qs2

- Develop an angular shopping application to buy books and remove if not required.

If the user enters a book in the text box and clicks addbook button, the book is added and if the user clicks on cross symbol next to each book given in the picture below, the book is removed from the list.

If the book is selected twice, display an appropriate error message. Use angular animations to add and remove items.

Books

Web Technologies	X
Operating System	X
Database systems	X
Computer Architecture	X

ADD BOOK

```
<!DOCTYPE html>
<html lang="en">
```

```
<head>
  <title>Exercise 2</title>
```

```

    <script
src="https://ajax.googleapis.com/ajax/libs/angularjs/1.6.9/angular.min.js"></sc
ript>
</head>

```

```

<body>
    <div ng-app="myShoppingList" ng-cloak ng-controller="myCtrl" style="max-
width:400px;">

```

```

        <header>

```

```

            <h3>Books</h3>

```

```

        </header>

```

```

        <ul>

```

```

            <li ng-repeat="x in products">

```

```

                {{x}}

```

```

                <span ngclick="removeItem($index)"

```

```

style="cursor:pointer;">&nbsp; x</span>

```

```

            </li>

```

```

        </ul>

```

```

        <div>

```

```

            <div>

```

```

                <div>

```

```

                    <input placeholder="Add books here" ng-model="addMe">

```

```

                </div>

```

```

                <div>

```

```

                    <button ng-click="addItem()">Add</button>

```

```

                </div>

```

```

            </div>

```

```

            <p style="color:red">{{errortext}}</p>

```

```

        </div>

```

```

    </div>

```

```

    <script>

```

```

        var app = angular.module("myShoppingList", []);

```

```

        app.controller("myCtrl", function ($scope) {

```

```

            $scope.products = ["Web Technologies Simplified", "Ron Larsen",
"Stats for College", "TOC Easy"];

```

```

            $scope.addItem = function () {

```

```

                $scope.errortext = "";

```

```

                if (!$scope.addMe) {

```

```

                    $scope.errortext = "Add something";

```

```

                    return;

```

```

                }

```

```

                if ($scope.products.indexOf($scope.addMe) == -1) {

```

```

                    $scope.products.push($scope.addMe);

```

```

                }

```

```

                else {

```

```

                    $scope.errortext = "The item is already in your shopping
list.";

```

```

                }

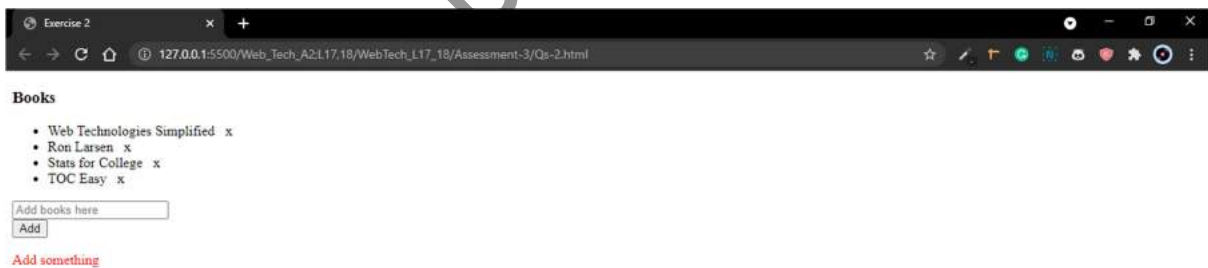
```

```

    }
    $scope.removeItem = function (x) {
        $scope.errortext = "";
        $scope.products.splice(x, 1);
    }
    });
</script>
</body>

</html>

```





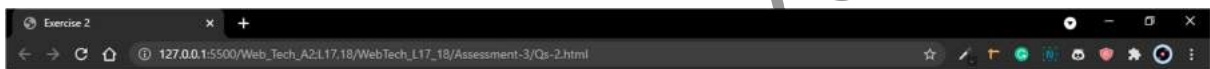
Books

- Web Technologies Simplified x
- Ron Larsen x
- Stats for College x
- TOC Easy x

Ron Larsen

Add

The item is already in your shopping list.



Books

- Web Technologies Simplified x
- Ron Larsen x
- Stats for College x
- TOC Easy x
- STS x

STS

Add

Qs3

3. Product details are maintained in JSON file and gets it using AJAX. Develop the page contains a dropdown list which lists the value of product name. While clicking Availability button display the details of corresponding selected product as Product ID, name, price, stock and type.

JSON

```
{
  "p1": {
    "id": "1",
    "name": "Product 1",
    "price": "Rs. 200",
    "stock": "3",
    "type": "type 1"
  },
  "p2": {
    "id": "2",
    "name": "Product 2",
    "price": "Rs. 340",
    "stock": "1",
    "type": "type 2"
  },
  "p3": {
    "id": "3",
    "name": "Product 3",
    "price": "Rs. 1000",
    "stock": "31",
    "type": "type 3"
  },
  "p4": {
    "id": "4",
    "name": "Product 4",
    "price": "Rs. 714",
    "stock": "0",
    "type": "type 4"
  },
  "p5": {
    "id": "5",
    "name": "Product 5",
    "price": "Rs. 20",
    "stock": "10",
    "type": "type 5"
  },
}
```

```
ML<html>  
    <head>  
        <title>Exercise 3</title>  
  
        <style>  
            body {  
                text-align: center;  
            }  
  
            h1 {  
                margin-top: 5%;  
                margin-bottom: 5%;  
            }  
  
            select {  
                outline: none;  
                background: black;  
                border: none;  
                padding: 7px;  
                color: white;  
                border-radius: 5px;  
            }  
  
            option {  
                background-color: black;
```

HTML

```
<html>

<head>
  <title>Exercise 3</title>

  <style>
    body {
      text-align: center;
    }

    h1 {
      margin-top: 5%;
      margin-bottom: 5%;
    }

    select {
      outline: none;
      background: black;
      border: none;
      padding: 7px;
      color: white;
      border-radius: 5px;
    }

    option {
      background-color: black;
      color: white;
    }

    .button {
      width: 20%;
      padding: 7px;
      color: black;
      background-color: rgba(0, 0, 0, 0);
      transition: 0.5s;
    }
  </style>
</head>

<body>
  <div>
    <h1>Exercise 3</h1>
    <div>
      <div>
        <input type="text"/>
      </div>
      <div>
        <input type="button" value="Submit"/>
      </div>
    </div>
  </div>
</body>
</html>
```

```

.button:hover {
    color: white;
    background-color: black;
}

.tb {
    display: none;
}

table {
    border: 1px solid black;
    margin: auto;
    margin-top: 10%;
}

th {
    padding: 7px;
    width: 150px;
    border-left: 0.5px solid black;
    border-right: 0.5px solid black;
    border-bottom: 0.5px solid black;
}

td {
    text-align: center;
    padding: 7px;
    width: 150px;
    border-left: 0.5px solid black;
    border-right: 0.5px solid black;
}
</style>
<script type="text/javascript" src="Qs-3data.json"></script>
<script src="https://code.jquery.com/jquery-3.5.1.min.js"></script>
</head>

<body>
<h1>Product Availability</h1>
<select name="option list" id="list">
    <option value="none" selected disabled hidden> Choose Products
</option>
    <option value="Product 1">Product 1</option>
    <option value="Product 2">Product 2</option>
    <option value="Product 3">Product 3</option>
    <option value="Product 4">Product 4</option>
    <option value="Product 5">Product 5</option>
    <option value="Product 6">Product 6</option>
</select>

```

```

<input type="button" class="button" value="Check availability" />
<h3>Click on Check Availability To See Details</h3>
<div class="tb">
    <table>
        <tr>
            <th>Product ID</th>
            <th>Name</th>
            <th>Price</th>
            <th>Stock</th>
            <th>Type</th>
        </tr>
        <tr>
            <td class="id"></td>
            <td class="name"></td>
            <td class="price"></td>
            <td class="stock"></td>
            <td class="type"></td>
        </tr>
    </table>
</div>

<script>
    document.querySelector(".button").addEventListener('click', function ()
{
    var select1 = document.querySelector("#list");
    var name = select1.options[select1.selectedIndex].value;
    if (name === 'none') {
        alert("Select from the dropdown list");
    }
    else {
        $("h3").hide();
        $(".tb").show();
        $.getJSON("Qs-3data.json", function (obj) {
            $.each(obj, function (key, value) {
                if (value.name === name) {
                    document.querySelector(".name").textContent =
value.name;
                    document.querySelector(".id").textContent =
value.id;
                    document.querySelector(".price").textContent =
value.price;
                    document.querySelector(".stock").textContent =
value.stock;
                    document.querySelector(".type").textContent =
value.type;
                }
            });
        });
    }
});

```

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



Product Availability

Choose Products ▾

Check availability

Click on Check Availability To See Details



Choose Products ▾

Check availability

Click on Check Availability To See Details

Product Availability

Product 2

Product ID	Name	Price	Stock	Type
2	Product 2	Rs. 340	1	type 2

Product Availability

Product 6

Product ID	Name	Price	Stock	Type
6	Product 6	Rs. 1200	100	type 6

Qs4

4. Develop an angular application to validate the given form. Clearly mention the status of validation like required, invalid or valid message to the respective field.

Your Name (required)

This field is required.

Your Email (required)

Please enter a valid email address.

Your Phone

Please enter a valid number.

Website

Please enter a valid URL.

Credit Card

Please enter a valid credit card number.

Date Of Birth

Please enter a valid date.

```
<html>
<script
src="https://ajax.googleapis.com/ajax/libs/angularjs/1.8.0/angular.min.js"></sc
ript>
<style>
  input.ng-invalid.ng-dirty {
    border-bottom: 2px solid red;
  }
</style>

<body>
  <form name="form1" ng-app="myApp" ng-controller="validateCtrl" novalidate>
    <p>Your Name(required)<br><input type="text" name="name" ng-
model="name" required>
      <span style="color:red" ng-show="form1.name.$dirty &&
form1.name.$invalid">
        <span ng-show="form1.name.$error.required">This field is
required</span>
      </span>
    </p>
    <p>Your Email(required)<br><input type="email" name="email" ng-
model="email" required>
```



```

        <span style="color:red" ng-show="form1.email.$dirty &&
form1.email.$invalid">
            <span ng-show="form1.email.$error.required">This field is
required</span>
            <span ng-show="form1.email.$error.email">Please enter a valid
email address</span>
        </span>
    </p>
    <p>Your Phone<br><input type="text" name="phone" ng-model="phone" ng-
pattern="/[0-9]{10}/" required>
        <span style="color:red" ng-show="form1.phone.$dirty &&
form1.phone.$invalid">
            <span ng-show="form1.phone.$error.required">This field is
required</span>
            <span ng-show="form1.phone.$error.pattern">Invalid phone</span>
        </span>
    </p>
    <p>Website<br><input type="text" name="webs" ng-model="webs"
        ng-pattern="/https?:\\/\\/(www\\.)?[a-zA-Z0-9@:~#%_+&#x2D;]{1,256}\\.[a-zA-Z0-9()]{1,6}\\b(\\[a-zA-Z0-9()@:~#%_+&#x2D;?&#x2F;=]*)/"
        required>
        <span style="color:red" ng-show="form1.webs.$dirty &&
form1.webs.$invalid">
            <span ng-show="form1.webs.$error.required">This field is
required</span>
            <span ng-show="form1.webs.$error.pattern">Invalid
website</span>
        </span>
    </p>
    <p>Credit Card<br><input type="text" name="creditcard" ng-
model="creditcard" ng-pattern="/^[0-9]{16}$/">
        <span style="color:red" ng-show="form1.creditcard.$dirty &&
form1.creditcard.$invalid">
            <span ng-show="form1.creditcard.$error.pattern">Invalid
creditcard</span>
        </span>
    </p>
    <p>Date Of Birth<br><input type="text" name="dob" ng-model="dob"
        ng-pattern="/^(0[1-9]|[12][0-9]|3[01])[- /.](0[1-9]|1[012])[-
 /.](19|20)\\d\\d$/">
        <span ng-show="form1.dob.$dirty && form1.dob.$invalid">
            <span ng-show="form1.dob.$error.pattern">Invalid dob</span>
        </span>
    </p>
</form>
<script>
    var app = angular.module('myApp', []);
    app.controller('validateCtrl', function ($scope) {

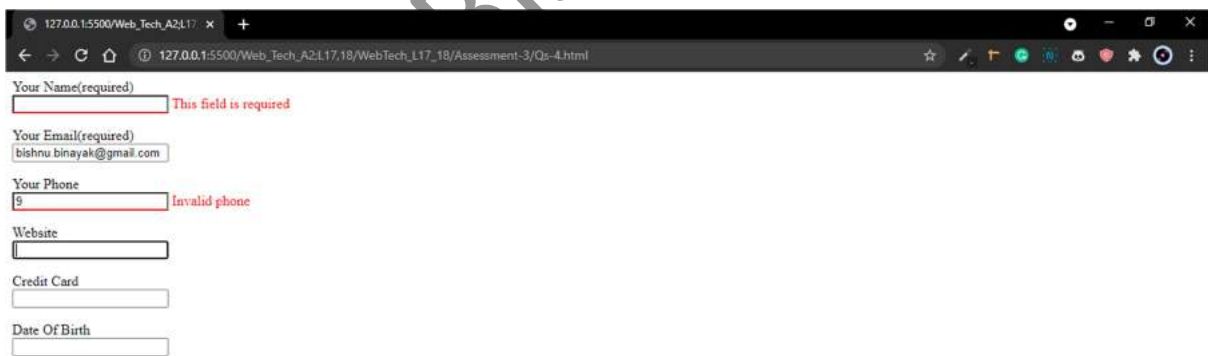
```

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



A screenshot of a web browser window showing a registration form. The browser's address bar displays the URL `127.0.0.1:5500/Web_Tech_A2L17_18/WebTech_L17_18/Assessment-3/Qs-4.html`. The form contains several input fields with the following labels and validation messages:

- Your Name(required)**: The input field is empty, and a red message "This field is required" is displayed below it.
- Your Email(required)**: The input field contains the text "bishnu", and a red message "Please enter a valid email address" is displayed below it.
- Your Phone**: The input field is empty.
- Website**: The input field is empty.
- Credit Card**: The input field is empty.
- Date Of Birth**: The input field is empty.



A screenshot of a web browser window showing the same registration form as above, but with different input values and validation messages:

- Your Name(required)**: The input field is empty, and a red message "This field is required" is displayed below it.
- Your Email(required)**: The input field contains the text "bishnu binayak@gmail.com".
- Your Phone**: The input field contains the text "9", and a red message "Invalid phone" is displayed below it.
- Website**: The input field is empty.
- Credit Card**: The input field is empty.
- Date Of Birth**: The input field is empty.

Qs5

5. Develop an Angular Single Page Application to show the details of weather, movie and currency rates of today. (Use templateUrl)

Now, if you run the application and click the **Weather**, the app displays like below. Create a separate file weather.html and displayed it in a same page. Maintain weather details in JSON format. While clicking the submit button, your script display weather details for the corresponding city value which has entered in text field. Similar movie and currency details should be displayed in same page (Use template).

MAIN HTML

```
<html>

<head>
  <title>Exercise 5</title>
  <script
src="https://ajax.googleapis.com/ajax/libs/angularjs/1.6.9/angular.min.js"></sc
ript>
  <script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.8.0/angular-
route.js"></script>
  <script src="https://code.jquery.com/jquery-3.5.1.min.js"></script>
  <style>
    ul {
      list-style-type: none;
      margin-top: 0;
      margin: 0;
      padding: 0;
      overflow: hidden;
    }

    li {
      float: left;
      margin: 2%;
      border-radius: 5px;
      padding: 0.1%;
    }

    li:hover {
      background-color: rgb(218, 217, 214);
    }

    li a {
      display: block;
      color: black;
```

```
font-weight: bolder;
text-align: center;
padding: 14px 16px;
text-decoration: none;
}

.active {
background-color: black;
border-radius: 5px;
color: white;
}

h1 {
margin: 2%;
}

input {
width: 50%;
padding: 9px;
outline: none;
border: none;
border-radius: 5px;
background-color: rgb(236, 244, 247);
margin-left: 2%;
}

button {
background-color: black;
border-radius: 5px;
color: white;
border: none;
width: 7%;
padding: 7px;
outline: none;
transition: 0.5s;
margin-left: 2%;
}

.show {
margin-top: 10%;
margin-left: 2%;
margin-bottom: 0;
background-color: rgb(243, 236, 236);
width: 96%;
height: 28.5%;
}

h2,
```

```

        h3 {
            margin-left: 2%;
            margin-top: 2%;
        }
    </style>
</head>

<body ng-app="app">
    <ul>
        <li> <a href="#!weather" class="active">Weather</a> </li>
        <li> <a href="#!movie">Movie details</a></li>
        <li><a href="#!currency">Currency Rates</a></li>
    </ul>
    <div ng-view></div>

    <script>
        var app = angular.module("app", ["ngRoute"]);
        app.config(function ($routeProvider) {
            $routeProvider
                .when("/weather", {
                    templateUrl: "Qs-5weather.html"
                })
                .when("/movie", {
                    templateUrl: "moviedetail.html"
                })
                .when("/currency", {
                    templateUrl: "currencydetail.html"
                })
            });
    </script>
</body>

</html>

```

WEATHER HTML

```

<html>

<head>
    <title>19BIT0244 Question 5</title>
    <script
src="https://ajax.googleapis.com/ajax/libs/angularjs/1.6.9/angular.min.js"></sc
ript>
    <script
src="http://ajax.googleapis.com/ajax/libs/jquery/3.3.1/jquery.min.js"></script>
    <script src="Qs-5weather.js"></script>
    <script src="Qs-5weatherdata.json"></script>

```

```
<style>
  ul {
    list-style-type: none;
    margin: 0;
    padding: 0;
    overflow: hidden;
  }

  li {
    float: left;
    margin: 2%;
    padding: 0.1%;
  }

  li a {
    display: block;
    color: black;
    font-weight: bolder;
    text-align: center;
    padding: 14px 16px;
    text-decoration: none;
  }

  .active {
    background-color: black;
    border-radius: 5px;
    color: white;
  }

  h1 {
    margin-left: 39%;
  }

  input {
    width: 50%;
    padding: 9px;
    border-radius: 5px;
    background-color: chartreuse;
    margin-left: 24%;
  }

  button {
    background-color: black;
    border-radius: 5px;
    color: white;
    width: 12%;
    padding: 7px;
    outline: none;
  }
```

```

        transition: 0.5s;
        margin-left: 42%;
        margin-top: 10px;
    }

    button:hover {
        background-color: #bbac58;
        transition: 0.5s;
    }

    .show {
        margin-top: 10%;
        margin-left: 24%;
        margin-bottom: 0;
        background-color: rgb(243, 236, 236);
        width: 50%;
        border-radius: 20px;
        height: 27.3%;
    }

    h2,
    h3 {
        margin-left: 2%;
        margin-top: 2%;
    }
</style>
</head>

<body ng-app="weather-app">

    <h1> Yahoo Weather!</h1>
    <input type="text" id="name" placeholder="Enter City Name" class="city"
required><br><br>
    <input type="text" placeholder="Enter State Name" class="state"
required><br><br>
    <button>Submit</button>
    <show>
    <div class="show">
        <h2></h2>
        <h3 class="one"></h3>
        <h3 class="two"></h3>
    </div>
    </show>

    <script>
        var app1 = angular.module('weather-app', []);
        app1.directive('show', function () {
            var lin;

```

```

        lin = function (scope, element, attrs) {
            document.querySelector("button").addEventListener('click', ()
=> {
                alert("clicked");
            });
        }
    });
</script>

</body>

</html>

```

WEATHER JS

```

var app1 = angular.module('weather-app', []);
app1.directive('show', function () {
    var lin;
    lin = function (scope, element, attrs) {
        document.querySelector("button").addEventListener('click', () => {
            alert("clicked");
            var city = document.querySelector(".city").value;
            $.getJSON("Qs-5weatherdata.json", function (obj) {
                $.each(obj, function (key, value) {
                    if (value.name === city) {
                        document.querySelector("h2").textContent = "City ,
State : " + value.name + " , " + value.state;

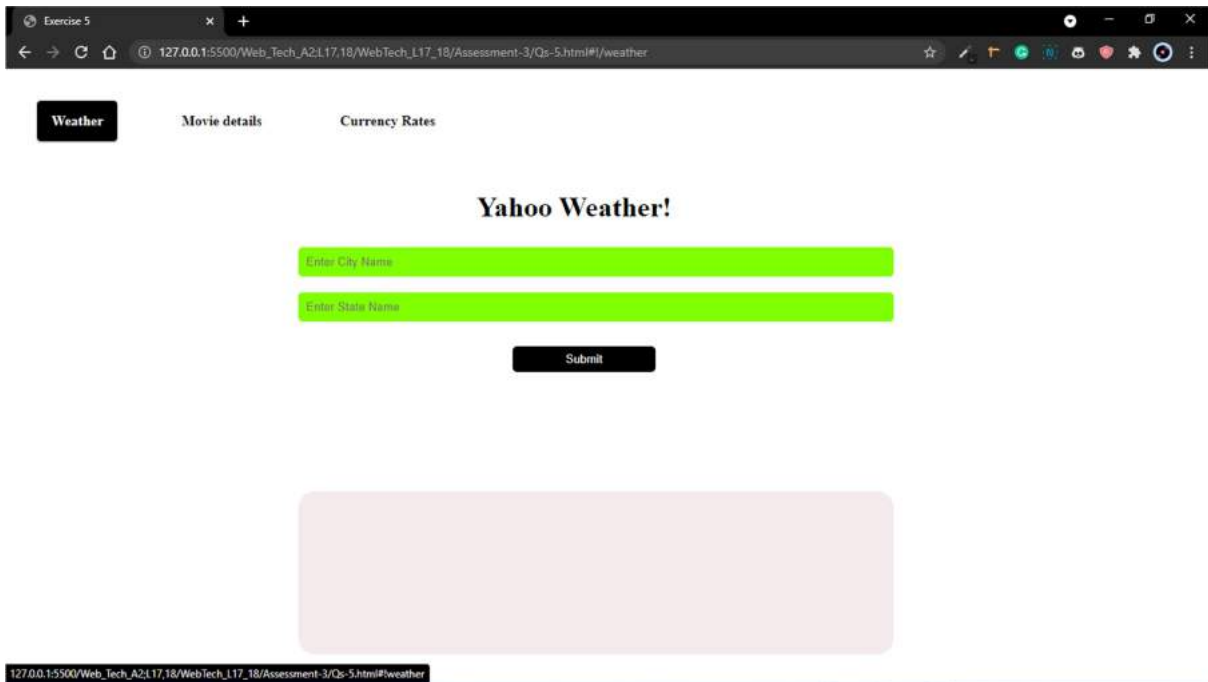
                        document.querySelector(".one").textContent =
"Temperature : " + value.temp;
                        document.querySelector(".two").textContent =
"Conditions : " + value.condition;
                    }
                });
            });
        });
    }
    return {
        restrict: 'E',
        link: lin
    }
});

```


WEATHER JSON

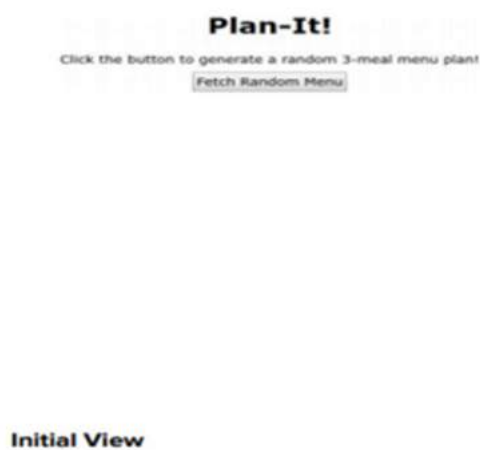
```
{
  "weather": {
    "name": "kolkata",
    "state": "West Bengal",
    "temp": "35",
    "condition": "Very Humid"
  },
  "weather1": {
    "name": "Delhi",
    "state": "Delhi",
    "temp": "45",
    "condition": "Hot Dry"
  },
  "weather2": {
    "name": "Vellore",
    "state": "Tamil Nadu",
    "temp": "27",
    "condition": "Humid"
  }
}
```





Qs6

- Develop an web application using AngularJS code for a small Meal Planner web page called Plan-It!. For simplicity, consider a "full day meal plan" as a breakfast, lunch, and dinner meal types. Below are two screenshots of the Plan-It! page:



```
<!DOCTYPE html>
<html lang="en">
```

```
<head>
  <title>Exercise 6</title>
```

```

    <script
src="https://ajax.googleapis.com/ajax/libs/angularjs/1.8.0/angular.min.js"></sc
ript>
</head>

<body>

    <div ng-app="myApp" ng-controller="jsCtrl">
        <h1>Plan-It!</h1>
        <p>
            Click the button to generate a random 3-meal menu plan!
            <button id="day-btn" ng-click="fetchmenu()">Fetch Random
Menu</button>
        </p>
        <section id="day-results" class="hidden">
            <p>Rand index generated breakfast:
{{rand_index_generated_breakfast}}</p>
            <p>Rand index generated lunch: {{rand_index_generated_lunch}}</p>
            <p>Rand index generated dinner: {{rand_index_generated_dinner}}</p>
            <p>See console.log for other details</p>
            <article id="breakfast">
                <h2><span class="name">{{breakfastname}}</span>
(Breakfast)</h2>
                <hr>
                <p class="description">{{breakfastdesc}}</p>
                <p>Food Groups:</p>
                <ul class="food-groups">
                    <!-- <li ng-hide="myvar" ng-repeat="x in
foodmenu.breakfast.foodgroups">{{x}}</li> -->
                    <li ng-hide="myvar" ng-repeat="x in
breakfastgrps">{{x}}</li>
                </ul>
            </article>
            <article id="lunch">
                <h2><span class="name">{{lunchname}}</span> (Lunch)</h2>
                <hr>
                <p class="description">{{lunchdesc}}</p>
                <p>Food Groups:</p>
                <ul class="food-groups">
                    <li ng-hide="myvar" ng-repeat="y in lunchgrps">{{y}}</li>
                </ul>
            </article>
            <article id="dinner">
                <h2><span class="name">{{dinnername}}</span> (Dinner)</h2>
                <hr>
                <p class="description">{{dinnerdesc}}</p>
                <p>Food Groups:</p>
                <ul class="food-groups">

```

```

        <li ng-hide="myvar" ng-repeat="z in dinnergrps">{{z}}</li>
    </ul>
</article>
</section>
</div>

<script>
    var app = angular.module('myApp', []);
    app.controller('jsCtrl', function ($scope) {
        $scope.foodmenu = {
            "breakfast": [
                {
                    "name": "Blueberry Oatmeal",
                    "description": "One cup of hot oatmeal with 1/4 cup of
fresh blueberries.",
                    "foodgroups": ["Grains", "Fruit"]
                },
                {
                    "name": "Bread",
                    "description": "Bread with butter, cheese or jam",
                    "foodgroups": ["Bread", "Butter", "Cheese", "Jam"]
                },
                {
                    "name": "Roti for breakfast",
                    "description": "Indian torilla with vegetables",
                    "foodgroups": ["Grains", "Vegetables"],
                },
            ],
            "lunch": [
                {
                    "name": "Froot Loops",
                    "description": "A baggy of rainbow Froot Loops - a
classic college student lunch.",
                    "foodgroups": ["Grains"],
                },
                {
                    "name": "Rice",
                    "description": "Rice with other complements",
                    "foodgroups": ["Grains"],
                },
                {
                    "name": "Spaghetti for lunch",
                    "description": "Two pies made with love and filled full
of flavors. Blueberry, strawberry, you name it, you have it!",
                    "foodgroups": ["Grains", "Fruit"],
                },
            ],
            "dinner": [

```

```

        {
            "name": "Spaghetti with Tomato Sauce",
            "description": "Two pies made with love and filled full
of flavors. Blueberry, strawberry, you name it, you have it!",
            "foodgroups": ["Grains", "Fruit"],
        },
        {
            "name": "Roti",
            "description": "Indian torilla with vegetables",
            "foodgroups": ["Grains", "Vegetables"],
        },
        {
            "name": "Rice for dinner",
            "description": "Rice with other complements",
            "foodgroups": ["Grains"],
        },
    ],
};
var i = 0;
var j = 0;
$scope.myvar = true;
$scope.fetchmenu = function () {
    $scope.myvar = false;
    $scope.fgps = "";
    // console.log($scope.foodmenu)
    // for (i in $scope.foodmenu) {
    // console.log(i);
    console.log($scope.foodmenu);

    var rand_index_breakfast = Math.floor((Math.random() * 3) + 0);
    console.log(rand_index_breakfast);
    $scope.rand_index_generated_breakfast = rand_index_breakfast;

    console.log($scope.foodmenu['breakfast']);
    console.log($scope.foodmenu['breakfast'][rand_index_breakfast])
;
    console.log($scope.foodmenu['breakfast'][rand_index_breakfast].
name);
    $scope.breakfastname =
$scope.foodmenu['breakfast'][rand_index_breakfast].name;
    $scope.breakfastdesc =
$scope.foodmenu['breakfast'][rand_index_breakfast].description;
    $scope.breakfastgrps =
$scope.foodmenu['breakfast'][rand_index_breakfast].foodgroups;

    var rand_index_lunch = Math.floor((Math.random() * 3) + 0);
    console.log(rand_index_lunch);
    $scope.rand_index_generated_lunch = rand_index_lunch;

```

```

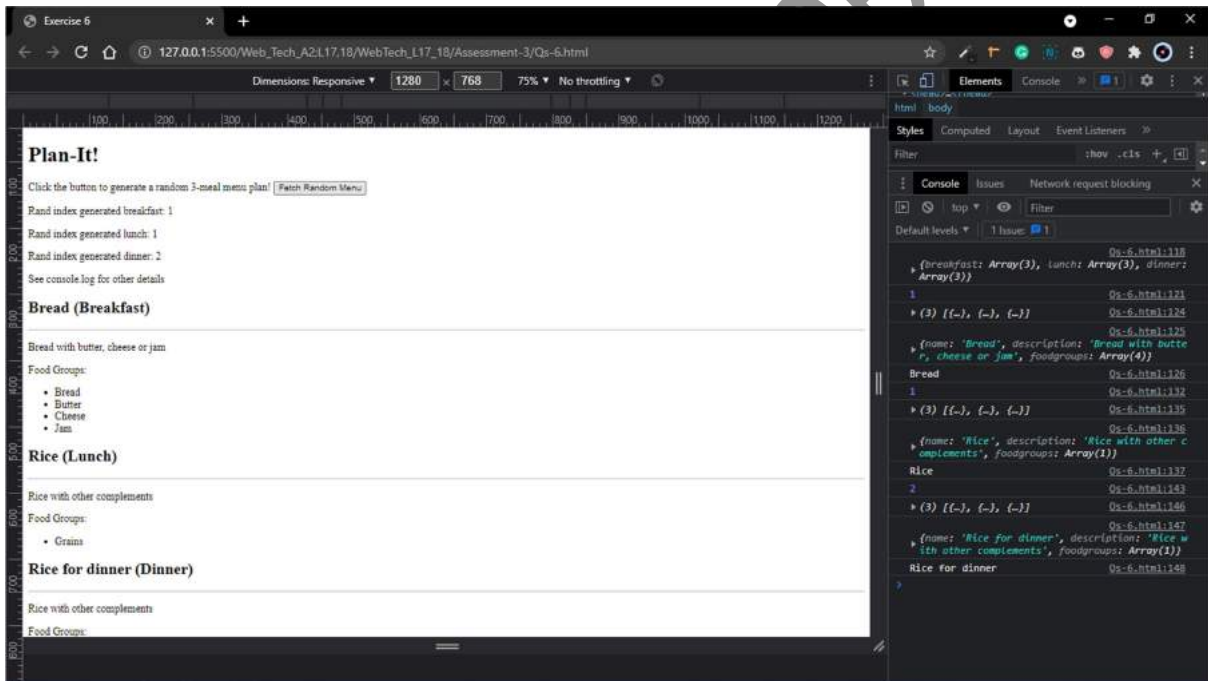
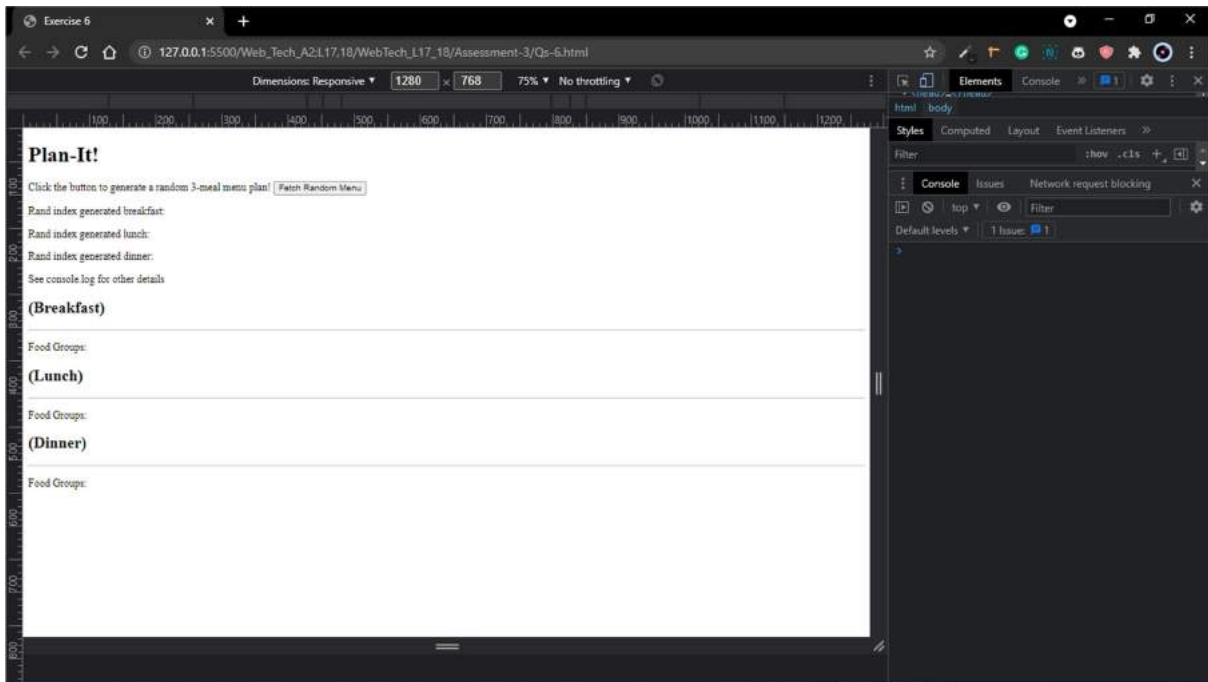
        console.log($scope.foodmenu['lunch']);
        console.log($scope.foodmenu['lunch'][rand_index_breakfast]);
        console.log($scope.foodmenu['lunch'][rand_index_breakfast].name
    );
        $scope.lunchname =
    $scope.foodmenu['lunch'][rand_index_lunch].name;
        $scope.lunchdesc =
    $scope.foodmenu['lunch'][rand_index_lunch].description;
        $scope.lunchgrps =
    $scope.foodmenu['lunch'][rand_index_lunch].foodgroups;

        var rand_index_dinner = Math.floor((Math.random() * 3) + 0);
        console.log(rand_index_dinner);
        $scope.rand_index_generated_dinner = rand_index_dinner;

        console.log($scope.foodmenu['dinner']);
        console.log($scope.foodmenu['dinner'][rand_index_dinner]);
        console.log($scope.foodmenu['dinner'][rand_index_dinner].name);
        $scope.dinnername =
    $scope.foodmenu['dinner'][rand_index_dinner].name;
        $scope.dinnerdesc =
    $scope.foodmenu['dinner'][rand_index_dinner].description;
        $scope.dinnergrps =
    $scope.foodmenu['dinner'][rand_index_dinner].foodgroups;
        // }
    }
    });
</script>
</body>

</html>

```



Exercise 6

127.0.0.1:5500/Web_Tech_A2/L17.18/WebTech_L17_18/Assessment-3/Qs-6.html

Dimensions: Responsive 1280 x 768 75% No throttling

Plan-It!

Click the button to generate a random 3-meal menu plan! [Watch Random Menu](#)

Random index generated breakfast: 0
Random index generated lunch: 1
Random index generated dinner: 2
See console log for other details

Blueberry Oatmeal (Breakfast)

One cup of hot oatmeal with 1/4 cup of fresh blueberries.

Food Groups:

- Grains
- Fruit

Rice (Lunch)

Rice with other complements

Food Groups:

- Grains

Rice for dinner (Dinner)

Rice with other complements

Food Groups:

- Grains

Console Log:

```
(1)
Rice for dinner
  {
    breakfast: Array(3),
    lunch: Array(3),
    dinner: Array(3)
  }
  (3) [(-), (-), (-)]
  {
    name: 'Blueberry Oatmeal',
    description: 'One cup of hot oatmeal with 1/4 cup of fresh blueberries.',
    foodgroups: Array(2)
  }
  Blueberry Oatmeal
  (3) [(-), (-), (-)]
  {
    name: 'Froot Loops',
    description: 'A baggy of rainbow Froot Loops - a classic college student lunch.',
    foodgroups: Array(1)
  }
  Froot Loops
  (3) [(-), (-), (-)]
  {
    name: 'Rice for dinner',
    description: 'Rice with other complements',
    foodgroups: Array(1)
  }
  Rice for dinner
```

Exercise 6

127.0.0.1:5500/Web_Tech_A2/L17.18/WebTech_L17_18/Assessment-3/Qs-6.html

Dimensions: Responsive 1280 x 768 75% No throttling

Plan-It!

Click the button to generate a random 3-meal menu plan! [Watch Random Menu](#)

Random index generated breakfast: 0
Random index generated lunch: 1
Random index generated dinner: 0
See console log for other details

Blueberry Oatmeal (Breakfast)

One cup of hot oatmeal with 1/4 cup of fresh blueberries.

Food Groups:

- Grains
- Fruit

Rice (Lunch)

Rice with other complements

Food Groups:

- Grains

Spaghetti with Tomato Sauce (Dinner)

Two pies made with love and filled full of flavors. Blueberry, strawberry, you name it, you have it!

Food Groups:

- Grains

Console Log:

```
(1)
Rice for dinner
  {
    breakfast: Array(3),
    lunch: Array(3),
    dinner: Array(3)
  }
  (3) [(-), (-), (-)]
  {
    name: 'Blueberry Oatmeal',
    description: 'One cup of hot oatmeal with 1/4 cup of fresh blueberries.',
    foodgroups: Array(2)
  }
  Blueberry Oatmeal
  (3) [(-), (-), (-)]
  {
    name: 'Froot Loops',
    description: 'A baggy of rainbow Froot Loops - a classic college student lunch.',
    foodgroups: Array(1)
  }
  Froot Loops
  (3) [(-), (-), (-)]
  {
    name: 'Spaghetti with Tomato Sauce',
    description: 'Two pies made with love and filled full of flavors. Blueberry, strawberry, you name it, you have it!',
    foodgroups: Array(2)
  }
  Spaghetti with Tomato Sauce
```


Qs7

7. Develop a web application using AngularJS add behavior to the following HTML code. The page contains a text input box with an id of foodname, and a drop-down list with an id of foodgroup.
- The user types a name of a food item into the foodname text box, such as apple or Cookie, selects a food group from the drop-down list, such as dairy or fruit, and then clicks the button with an id of eat.
 - When the eat button is clicked, any element on the page that matches all of the following criteria will be removed from the page:
 - The element is an img element that has a class of the food.
 - The element's food group matches the group chosen in the foodgroup drop-down list. Food groups are represented as class attributes. This is in addition to the food class; recall that class attributes can specify multiple classes separated by spaces. For example, a jug of milk would have the following element:
``
 - The food item's name is the same as the text in the foodname box. The food's name is stored as the image's alt attribute. For example, if the user types cookie, img elements with an alt of cookie will be removed. Your code should be case-insensitive; for example, coOKie should match images with an alt of cookie.

```
<!DOCTYPE html>
<html>

<head>
  <title>Exercise 7</title>
  <script
src="https://ajax.googleapis.com/ajax/libs/angularjs/1.8.0/angular.min.js"></sc
ript>

  <style>
    img {
      width: 250px;
    }
  </style>
</head>
```

```

<body ng-app="myApp" ng-controller="jsCtrl1">
  Name of Food: <input id="foodname" type="text" ng-model="foodname" />
  Food Group:
  <select id="foodgroup" ng-model="foodgroupdrop">
    <option value="dairy">dairy</option>
    <option value="fats">fats</option>
    <option value="fruit">fruit</option>
    <option value="meat">meat</option>
    <option value="veggies">veggies</option>
  </select>

  <button id="eat" ng-click="remove()">Eat!</button>

  <h2><i>{{errorcombo}}</i></h2>
  <p>
    
    
    
    
    
    
    
  </p>
  <p>{{arrvalue}}</p>
  <script>
    var app = angular.module('myApp', []);
    app.controller('jsCtrl1', function ($scope) {
      $scope.foodname = "";

      $scope.foodgroupdrop = "";

      $scope.remove = function () {
        $scope.combinedchoice = $scope.foodname + $scope.foodgroupdrop;
        if ($scope.combinedchoice == "") {
          $scope.combinedchoice = "none chosen";
        }
        console.log($scope.combinedchoice);

        switch ($scope.combinedchoice) {
          case 'cookiefats':
            $scope.cookie = "true";

```

```
        $scope.errorcombo = "";
        break;
    case 'applefruit':
        $scope.apple = "true";
        $scope.errorcombo = "";
        break;
    case 'tomatofruit':
        $scope.tomato = "true";
        $scope.errorcombo = "";
        break;
    case 'milkdairy':
        $scope.milk = "true";
        $scope.errorcombo = "";
        break;
    case 'chipsfats':
        $scope.chips = "true";
        $scope.errorcombo = "";
        break;
    case 'steakmeat':
        $scope.steak = "true";
        $scope.errorcombo = "";
        break;
    case 'none chosen':
        $scope.errorcombo = "Please choose!!";
        break;
    default:
        $scope.errorcombo = "Wrong combo!!";
    }
}
});
</script>
</body>

</html>
```

