ASSIGNMENT 1

JAVASCRIPT CODE : table.js file

```javascript
(function () {

        //heading of the assignment
        var headtag = document.createElement("h3");

        headtag.innerText = "ASSIGNMENT 1";

        headtag.style.textAlign = "center";

        headtag.style.color = "#FF7F50";

        headtag.style.fontSize = "40px";

        document.body.appendChild(headtag);



        //Build an array containing Customer records.
        var people = Array(
          Array ("Harry",23,"29th jan", "harry@gmail.com","Gemini solutons"),
          Array("Manny",24,"26th Jul", "manny@gmail.com","Gemini solutons"),
          Array ("Sandy",33,"12th Aug", "sandy@gmail.com","Gemini solutons"),
          Array ("Nora", 29,"21th Sep", "nora@gmail.com","Gemini solutons"),
          Array ("Monty",29,"11th Oct", "monty@gmail.com","Gemini solutons"),
);


    //creating the headings of each column
    var heading = Array("NAME","AGE", "DOB", "EMAIL", "COMPANY");
```

```javascript
const tbl = document.createElement("table");

const tblBody = document.createElement("tbody");



var headRow = tbl.insertRow(-1);

headRow.style.color = "turquoise";




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

    var headcell = document.createElement("Td");


  //styling

    headcell.style.border = 'solid 2px'

    headcell.style.padding = "20px";

    headcell.style.textAlign = "center";

    headcell.style.fontWeight = "bold";



    headcell.innerHTML = heading[i];

    headRow.appendChild(headcell);

  }



//adding the celles int the table

 var cell,row;

   // creating all cells

   for (let i = 0; i < 5; i++) {
```

```javascript
    // creates a table row
    row = document.createElement("tr");


    for (let j = 0; j < 5; j++) {
      // Create a <td> element and a text node, make the text
      // node the contents of the <td>, and put the <td> at
      // the end of the table row
      cell = document.createElement("td");



      //styling
      cell.style.border = 'solid 1px';
      cell.style.padding = "20px";



      const cellText = document.createTextNode(people[i][j]);
      cell.appendChild(cellText);
      row.appendChild(cell);
    }


    // add the row to the end of the table body
    tblBody.appendChild(row);
  }

// put the <tbody> in the <table>
tbl.appendChild(tblBody);


//adding styles to table
```
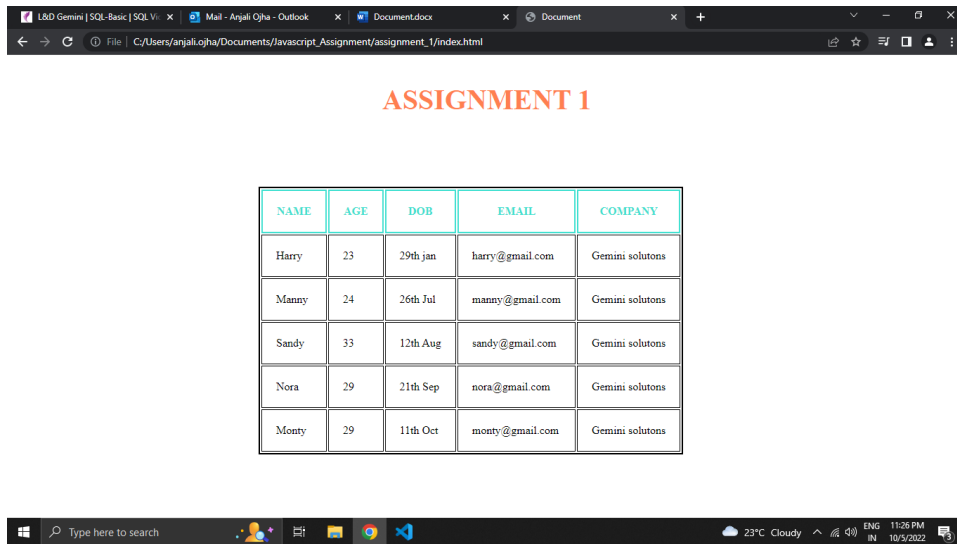
```javascript
        tbl.style.border = 'solid 2px black';

        tbl.style.marginLeft = "350px";

        tbl.style.marginTop = "100px";



        // appends <table> into <body>

        document.body.appendChild(tbl);



})();
```

HTML CODE: index.html file

```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>Document</title>

</head>

<body>

    <script src="table.js"></script>



</body>
```

```html
</html>
```

OUTPUT

ASSIGNMENT 2

JAVASCRIPT CODE : validate.js

```javascript
function validateForm(){



  var name = document.getElementById("name").value;

  var nameResult = validateName(name);

  // window.alert(nameResult);



    var email = document.getElementById("email").value;
```

```javascript
    var emailResult = validateEmail(email);
 //  window.alert(emailResult);


  var mobile = document.getElementById("mobile").value;
  var mobileResult = true;



 if(mobile != null || mobile != ""){
  mobileResult = validateMobile(mobile);
 }



 // window.alert(name+" "+email+" "+mobile);
 // window.alert(mobileResult);



 if(nameResult == true && emailResult == true && mobileResult == true){
 storeData(name,email,mobile);
  }


}



//user name validation
function validateName(name){


 var result = false;


 if (name == "" || name == null){
   alert ("name is required");
```

```javascript
    }
    else{

      var regex = /[a-zA-Z ]/;
      result = regex.test(name);
      if(result == false)
        alert("Name should contain only letters and space");
    }


return result;


}



//user email validation
function validateEmail(email){
  var result = false;


  if(email == "" || name == null){
    alert("email is required");
  }


  else{


    var regex = /^\w+([-+.']\w+)*@\w+([-.]\w+)*\.\w+([-.]\w+)*$/;
    result = regex.test(email);
```

```javascript
    if(result == false)

      alert("Enter a valid email");


  }

  return result;



}



//user mobile number validation

function validateMobile(mobile){


  var regex =/^[0-9]{10}/;


  var result = regex.test(mobile);


  if(result == false)

    alert("Invalid mobile number");


  return result;



}



//method to store the data into local storage

function storeData(name,email,mobile){
```

```javascript
    let user_records=new Array();


    user_records.push({


        "name":name,
        "email":email,
        "mobile":mobile
    })


    localStorage.setItem("users",JSON.stringify(user_records))


displayData();
}

//method to display the data in a table
function displayData(){
    document.getElementById("showUsers").innerHTML = "";
    let user_records = new Array();



    user_records = JSON.parse(localStorage.getItem("users"));


    if(user_records)
    {
        var heading = new Array("NAME", "EMAIL","MOBILE");
```

```javascript
const tbl = document.createElement("table");

const tblBody = document.createElement("tbody");



var headRow = tbl.insertRow(-1);

headRow.style.color = "turquoise";




for(var i = 0;i<3;i++){

   var headcell = document.createElement("td");

   headcell.style.border = 'solid 2px';

   headcell.style.padding = "20px";

   headcell.style.textAlign = "center";

   headcell.style.fontWeight = "bold";




   headcell.innerHTML = heading[i];

   headRow.appendChild(headcell);




}




for(let i=0;i<user_records.length;i++)

{

   let addRow = document.createElement('tr');

   addRow.style.border = "2px solid black";

   addRow.style.color = "turquoise";




   for(let j = 0; j < user_records.length; j++){
```

```javascript
let td1 = document.createElement('td');

let td2 = document.createElement('td');

let td3 = document.createElement('td');



var text1 = document.createTextNode(user_records[i].name);

var text2 = document.createTextNode(user_records[i].email);

var text3 = document.createTextNode(user_records[i].mobile);


// td1==============
td1.appendChild(text1);


td1.style.border = 'solid 2px';

td1.style.padding = "20px";

td1.style.textAlign = "center";

td1.style.fontWeight = "bold";
// td2===========
td2.appendChild(text2);

td2.style.border = 'solid 2px';

td2.style.padding = "20px";

td2.style.textAlign = "center";

td2.style.fontWeight = "bold";
// td3================
td3.appendChild(text3);

td3.style.border = 'solid 2px';

td3.style.padding = "20px";

td3.style.textAlign = "center";

td3.style.fontWeight = "bold";
```

```
            addRow.appendChild(td1);

            addRow.appendChild(td2);

            addRow.appendChild(td3);




        }

        tblBody.appendChild(addRow);

    }


    tbl.appendChild(tblBody);

    document.getElementById("showUsers").appendChild(tbl);



    }
  }
```

CSS CODE : style.css

```css
* {

  box-sizing: border-box;

}



/* Create two equal columns that floats next to each other */

.column {
```

```css
    float: left;

    width: 50%;

    padding: 10px;

    height: 500px;

}



/* Clear floats after the columns */

.row:after {

    content: "";

    display: table;

    clear: both;

}

.mbsc-ios .mbsc-form-grid .mbsc-textfield-wrapper {

        margin: 0.75em 1em;

}



/* Responsive layout - makes the two columns stack on top of each other instead
of next to each other */

@media screen and (max-width: 600px) {

    .column {

        width: 100%;

    }

}
```

HTML CODE: index.html file

```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">

    <link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.1.1/dist/css/bootstrap.min.css"
rel="stylesheet">


    <script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.1.1/dist/js/bootstrap.bundle.min.js
"></script>

    <link rel="stylesheet" href="style.css">




    <title>Document</title>

</head>

<body >




  <h2 style="text-align:center;color:#FF7F50;">ASSIGNMENT 2</h2>



  <div class="row">

  <div class="column" style="background-color:rgb(182, 106, 106);">

    <h2>FORM</h2>

    <div mbsc-page>
```

```html
<div class="mbsc-grid mbsc-grid-fixed">
    <div class="mbsc-form-group">
        <div class="mbsc-row mbsc-justify-content-center">
            <div class="mbsc-col-md-10 mbsc-col-xl-8 mbsc-form-grid">


                <div class="mbsc-row">
                    <div class="mbsc-col-md-6 mbsc-col-12">
                        <label for="name">Name</label>


                                    <input id="name" mbsc-input data-label="Name"
data-input-style="box" style="height:40px;width:290px; border-radius: 6px;
border: 2px solid white" data-label-style="floating" type="text"
placeholder="Name" />


                    </div>
                    <div class="mbsc-col-md-6 mbsc-col-12">
                        <label for="email"> EMAIL</label>
                                    <input id="email" mbsc-input data-label="Email"
data-input-style="box" style="margin-top:5px;height:40px;width:290px; border-
radius: 6px; border: 2px solid white" data-label-style="floating" type="text"
placeholder="Email" />


                    </div>
                </div>
                <div class="mbsc-row">
                    <div class="mbsc-col-12">
                        <label for="mobile">MOBILE</label>


                                    <input id="mobile" mbsc-input data-label="Phone
number" data-input-style="box" style="height:40px;margin-top:5px;width:290px;
border-radius: 6px; border: 2px solid white" data-label-style="floating"
type="text" placeholder="Phone number" />
```

```html
                    </div>

                        </div>


                            <!--<input type="submit" value="Submit" onclick="return
store()" style="margin-top:10px;font-weight:bold">-->

                            <input type="submit" value="Submit"
onclick="validateForm()" style="margin-top:5px;font-weight:bold;">

                    </div>

                  </div>

                </div>

              </div>


          </div>



      </div>
  <div class="column" style="background-color:rgb(113, 95, 165);">

      <h2>USER DATA</h2>


      <div id="showUsers">




      </div>


    </div>
</div>



<script src = validate.js></script>
```

```
</body>

</html>
```

OUTPUT

FORM

Name anjali

EMAIL anjali.ojha@gmail.com

MOBILE 1234567892

Submit

USER DATA

NAME	EMAIL	MOBILE
anjali	anjali.ojha@gmail.com	1234567892