

Name: Sapthami Upadhyा

Section: CSE A

Roll No.: 15

Reg. No.: 230905090

Week 2

1. Write a web page which contains table with 3 X 3 dimensions (fill some data) and one image. Style the rows with alternate color. Move the table and image together from right to left when button is clicked.

- HTML:

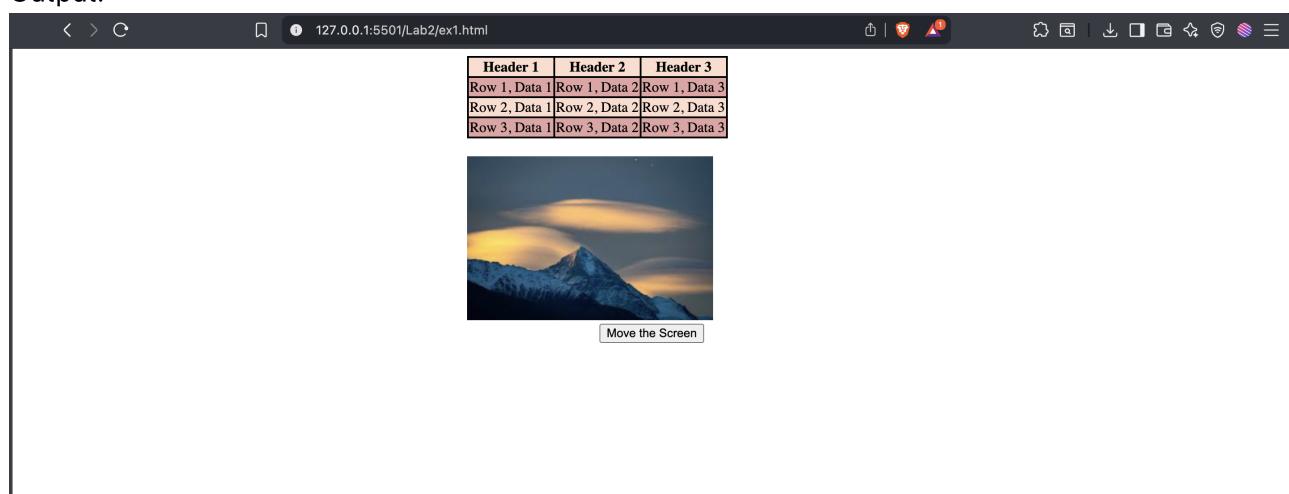
```
<!DOCTYPE html>
<html lang="en">
    <head>
        <meta charset="UTF-8">
        <meta name="viewport" content="width=device-width, initial-
scale=1.0">
        <title>Move Table and Image</title>
        <link rel="stylesheet" href="ex1.css">
        <script src="https://code.jquery.com/jquery-3.7.1.min.js">
</script>
        <script src="ex1.js"></script>
    </head>
    <body>
        <div id="container">
            <table>
                <tr>
                    <th>Header 1</th>
                    <th>Header 2</th>
                    <th>Header 3</th>
                </tr>
                <tr>
                    <td>Row 1, Data 1</td>
                    <td>Row 1, Data 2</td>
                    <td>Row 1, Data 3</td>
                </tr>
                <tr>
                    <td>Row 2, Data 1</td>
                    <td>Row 2, Data 2</td>
                    <td>Row 2, Data 3</td>
                </tr>
                <tr>
                    <td>Row 3, Data 1</td>
                    <td>Row 3, Data 2</td>
                    <td>Row 3, Data 3</td>
                </tr>
            </table>
            
        </div>
```

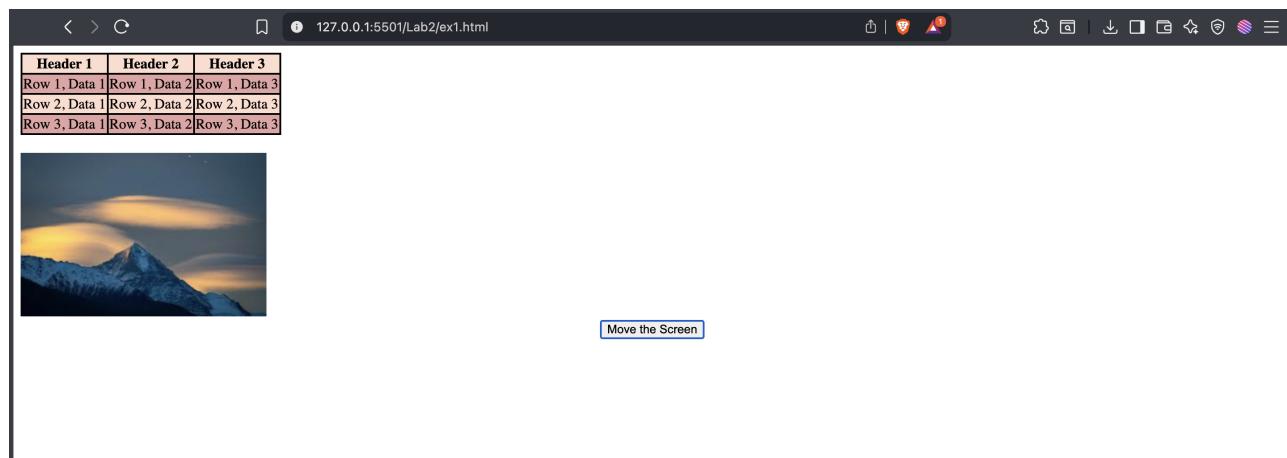
```
<div class="button">
    <button>Move the Screen</button>
</div>
</body>
</html>
```

- JS:

```
$(document).ready(function(){
    $("table").css({
        "border-collapse": "collapse",
        "margin-bottom": "20px"
    });
    $("td, th").css("border", "solid black 2px");
    $("tr:even").css("background-color", "#fddccfff");
    $("tr:odd").css("background-color", "#e2a3a3ff");
    $(".button").css({
        "display": "flex",
        "justify-content": "center"
    })
    $("#container").css({
        "position": "relative",
        "left": "500px"
    });
    $("button").click(function(){
        $("#container").animate({
            left: '0px'
        }, "slow"); });
});
```

- Output:





2. Design a calculator to perform basic arithmetic operations. Use textboxes and buttons to design web page

- HTML:

```
<!DOCTYPE html>
<html lang="en">
    <head>
        <meta charset="UTF-8">
        <meta name="viewport" content="width=device-width, initial-scale=1.0">
        <title>Calculator</title>
        <script src="https://code.jquery.com/jquery-3.7.1.min.js">
</script>
        <script src="ex2.js"></script>
        <link rel="stylesheet" href="ex2.css">
    </head>
    <body>
        <div class="container">
            <div class="input">
                <input type="text" id="in1">
                <input type="text" id="in2">
            </div>
            <div class="op">
                <button id="add">+</button>
                <button id="sub">-</button>
                <button id="mul">*</button>
                <button id="div">/</button>
            </div>
            <div class="result">
                <h2 id="result">Result: </h2>
            </div>
        </div>
    </body>
</html>
```

- CSS:

```
body{  
    font-family: Arial, Helvetica, sans-serif;  
    background-color: #f4f4f9;  
    display: flex;  
    justify-content: center;  
    align-items: center;  
    height: 100vh;  
    margin: 0;  
}  
  
.container{  
    background-color: white;  
    padding: 2em;  
    border-radius: 15px;  
    width: 350px;  
}  
  
.input{  
    display: flex;  
    justify-content: center;  
    align-items: center;  
    margin-bottom: 20px;  
}  
  
.input input{  
    width: 80px;  
    border: 2px solid #ddd;  
    border-radius: 8px;  
    text-align: center;  
    margin: 1em;  
    padding: 1em;  
}  
  
.op{  
    display: flex;  
    justify-content: center;  
    align-items: center;  
    gap: 1em;  
}  
  
.op button{  
    background-color: #007bff;  
    color: white;  
    border: none;  
    border-radius: 8px;  
    font-size: 1.2em;  
    font-weight: bold;  
    flex: 1;  
    padding: 0.5em 1em;  
}  
  
.result{  
    display: flex;
```

```
justify-content: center;
color: #333;
margin-top: 20px;
font-size: 1.5em;
}
```

- JS:

```
$(document).ready(function(){
    let a = $("#in1").val();
    a = Number(a);
    let b = $("#in2").val();
    b = Number(b);
    $("#add").click(()=> $("#result").text("Result: " + (a+b)));
    $("#sub").click(()=> $("#result").text("Result: " + (a-b)));
    $("#mul").click(()=> $("#result").text("Result: " + (a*b)));
    $("#div").click(()=> $("#result").text("Result: " + ((b !== 0) ? a/b : "Not defined")));
});
```

- Output:

4

6

+

-

*

/

Result: 10

7

0

+

-

*

/

Result: Not defined

3. Create a web page to design a birthday card shown below.

- HTML:

```
<!DOCTYPE html>
<html lang="en">
    <head>
        <meta charset="UTF-8">
        <meta name="viewport" content="width=device-width, initial-scale=1.0">
        <title>Birthday Card</title>
        <link rel="stylesheet" href="ex3.css">
        <script src="https://code.jquery.com/jquery-3.7.1.min.js">
</script>
        <script src="ex3.js"></script>
    </head>
    <body>
        <div class="container">
            <div class="controls">
                <label>Choose a background color:</label>
                <select id="bgcolor">
                    <option value="yellow">Yellow</option>
                    <option value="lightblue">Light Blue</option>
                    <option value="pink">Pink</option>
                </select>
                <label>Choose a font:</label>
                <select id="fontfamily">
                    <option value="Verdana">Verdana</option>
                    <option value="Arial">Arial</option>
                    <option value="Helvetica">Helvetica</option>
                </select>
                <label>Specify a numeric font size:</label>
                <input type="number" id="fontsize" value="25">
                <label>Choose a border style:</label>
                <div class="radio-group">
                    <label><input type="radio" name="border" value="none">None</label>
                    <label><input type="radio" name="border" value="double" checked>Double</label>
                    <label><input type="radio" name="border" value="solid">Solid</label>
                </div>
                <br>
                <label class="checkbox-row">
                    <input type="checkbox" id="showimg" checked> Add the Default Picture
                </label>
                <label>Enter the greeting text below:</label>
                <textarea id="greetinput">Happy Birthday, and many more</textarea>
                    <button id="updatebtn">Update</button>
                </div>
                <div id="cardpreview">
                    <p id="cardtext">Happy Birthday, and many more</p>
                    
                </div>
            </div>
        </div>
```

```
</body>
</html>
```

- CSS:

```
.container {
    display: flex;
    gap: 40px;
    padding: 20px;
    font-family: Arial, sans-serif;
}

.controls {
    width: 300px;
    display: flex;
    flex-direction: column;
    gap: 10px;
}
#cardtext{
    font-size: 25px;
    margin-top: 60px;
    line-height: 1.5;
}
#cardpreview {
    width: 350px;
    height: 450px;
    background-color: yellow;
    border-width: 5px;
    border-style: double;
    border-color: black;
    text-align: center;
    padding: 30px;
}

.radio-group label{
    display: flex;
    align-items: center;
    gap: 10px;
    margin: 4px 0;
}
#cardimg {
    width: 180px;
    margin-top: 40px auto 0;
}

textarea {
    height: 100px;
}
label{
    font-weight: bold;
}
.checkbox-row{
```

```
        display: flex;
        align-items: center;
        gap: 12px;
        font-size: 18px;
        margin-top: 10px;
    }
}

#updatebtn{
    width: 120px;
    align-self: center;
    padding: 6px 0;
    font-size: 16px;
    margin-top: 10px;
}
```

- JS:

```
$(document).ready(function(){
    $("#updatebtn").click(function(){
        let bg = $("#bgcolor").val();
        let font = $("#fontfamily").val();
        let size = $("#fontsize").val() + "px";
        let msg = $("#greetinput").val();
        let border = $("input[name='border']:checked").val();
        $("#cardpreview").css({
            "background-color": bg,
            "font-family": font,
            "border-style": border
        });
        $("#cardtext").css("font-size", size).text(msg);
        if($("#showimg").is(":checked"))
            $("#cardimg").show();
        else $("#cardimg").hide();
    });
});
```

- Output:

Choose a background color:

Yellow

Choose a font:

Verdana

Specify a numeric font size:

25

Choose a border style:

None
 Double
 Solid

Add the Default Picture

Enter the greeting text below:

Happy Birthday, and many more

Happy Birthday, and many more



Update