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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>

```

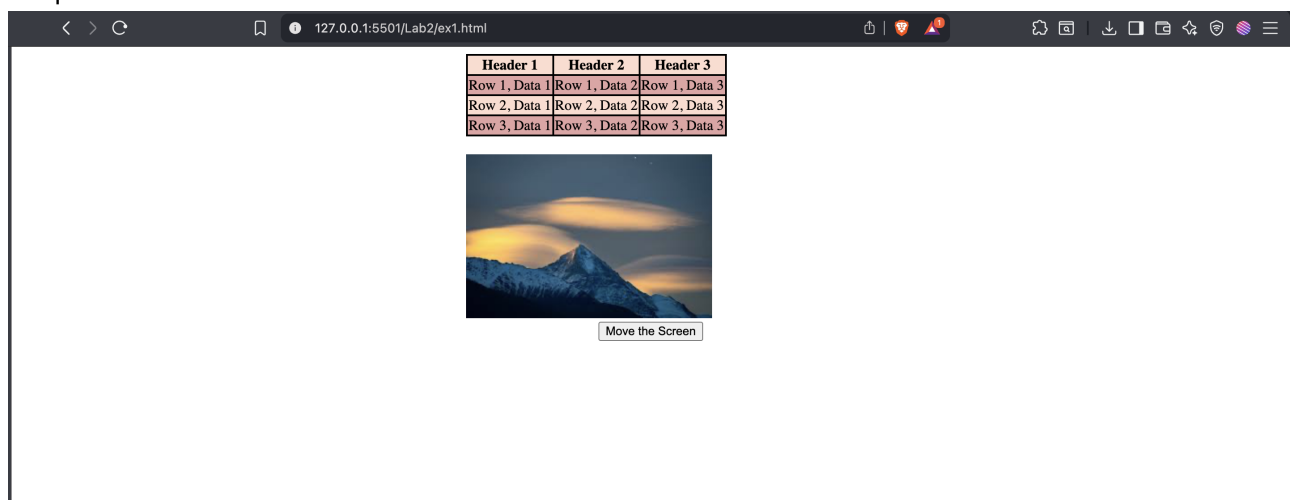
- JS:

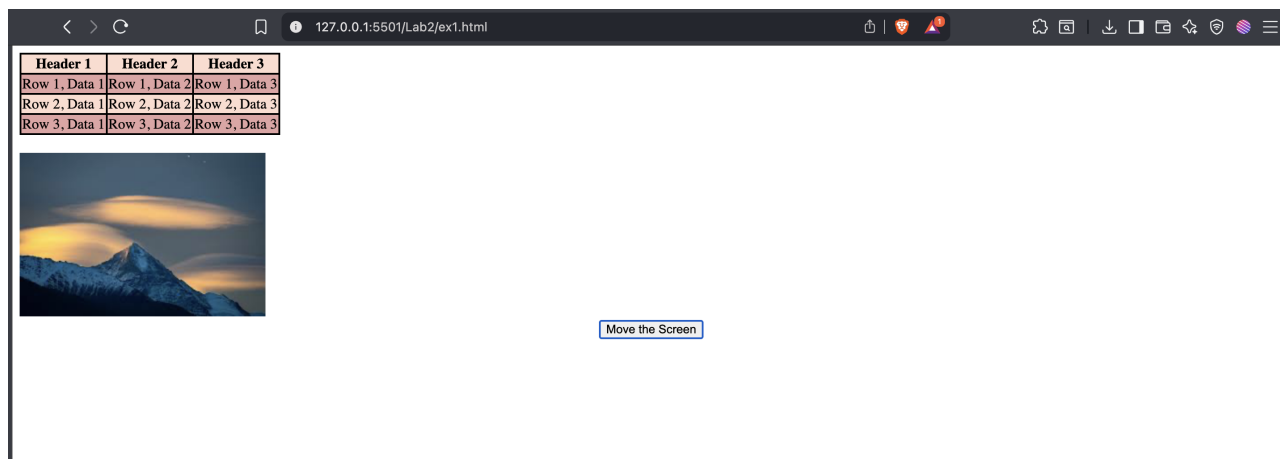
```

$(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;
}

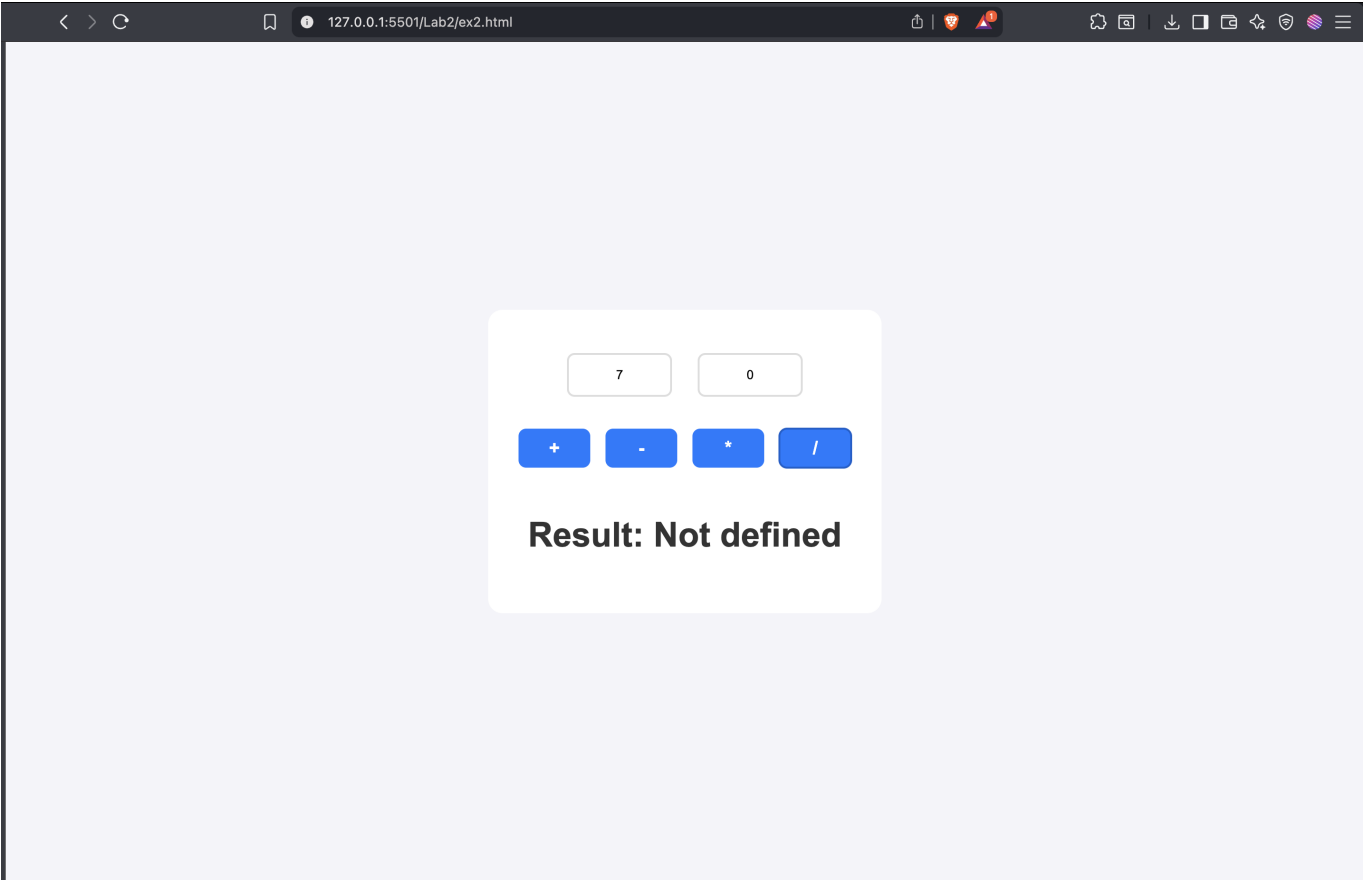
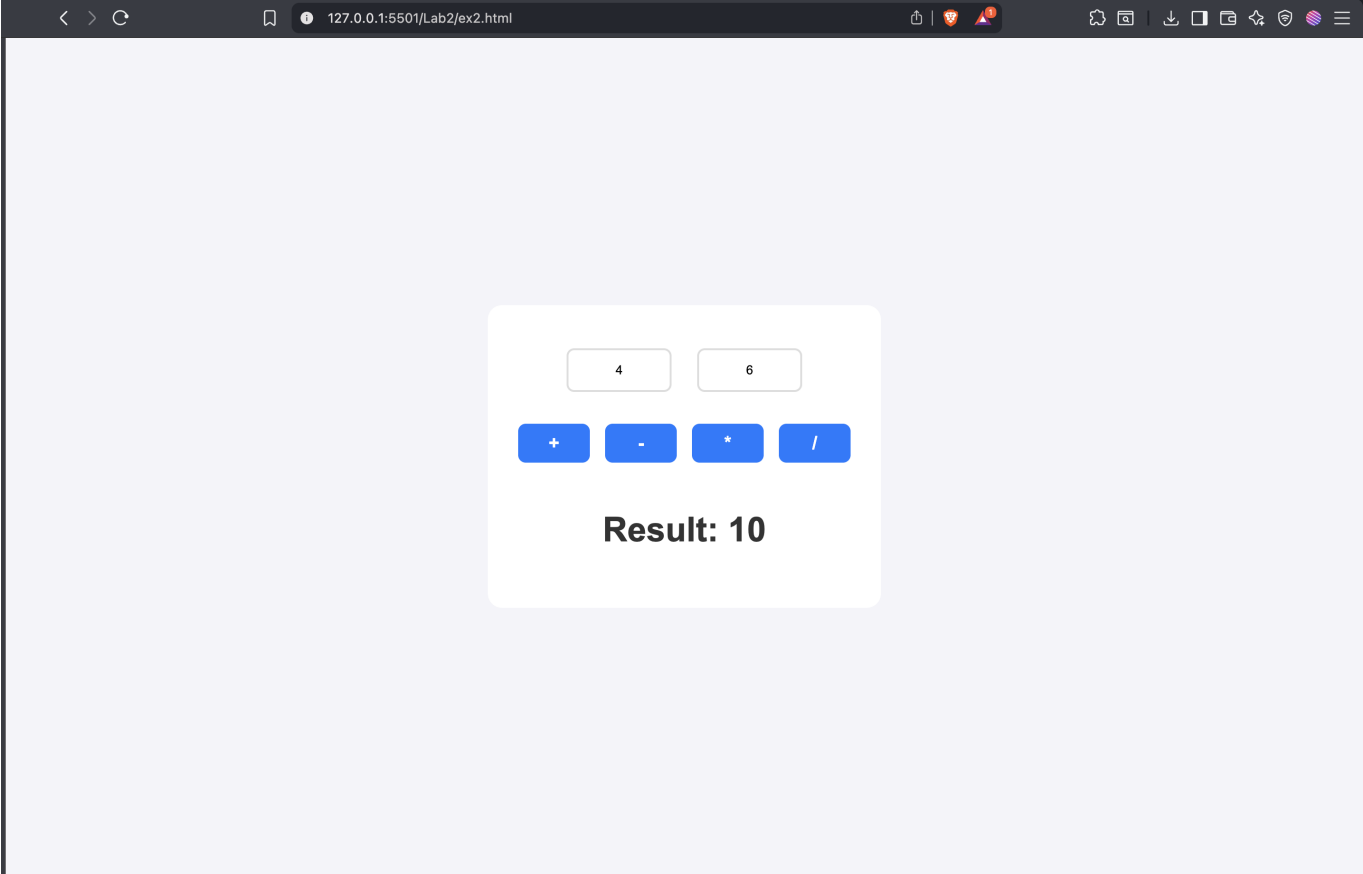
.result{
  display: flex;
```

```
    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:



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>
  </body>

```

```
</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:

<>↻

🔖

127.0.0.1:5501/Lab2/ex3.html

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

Update

Happy Birthday, and many more



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