WEB PROGRAMMING LAB-2 SUBMISSION
LAB EXERCISES

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Question 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.

index.html

```
<!DOCTYPE html>
<html>
<head>
 <title>jQuery Table and Image Animation</title>

 <!-- jQuery CDN -->
 <script src="https://code.jquery.com/jquery-3.6.0.min.js"></script>

 <style>
 body {
 font-family: Arial, sans-serif;
 }

 #container {
 position: relative;
 left: 500px; /* start from right side */
 width: fit-content;
 }

 table {
 border-collapse: collapse;
 margin-bottom: 20px;
 }

 table, th, td {
 border: 1px solid black;
 }
```

```css
    th, td {
    padding: 10px;
    text-align: center;
    }

    img {
    width: 150px;
    display: block;
    margin: auto;
    }

    button {
    margin-top: 20px;
    padding: 10px 15px;
    font-size: 14px;
    }
    </style>
</head>
```

```html
<body>

    <h2>jQuery Lab Experiment</h2>

    <div id="container">
    <table id="myTable">
    <tr>
    <th>A</th>
    <th>B</th>
    <th>C</th>
    </tr>
    <tr>
    <td>1</td>
    <td>2</td>
    <td>3</td>
    </tr>
    <tr>
    <td>4</td>
    <td>5</td>
    <td>6</td>
    </tr>
    </table>

    <img src="sample.jpg" alt="Sample Image">
    </div>
```

```
<button id="moveBtn">Move Left</button>

<script>
$(document).ready(function () {

$("#myTable tr:odd").css("background-color", "#dbeafe");
$("#myTable tr:even").css("background-color", "#fef3c7");

$("#moveBtn").click(function () {
$("#container").animate({
left: "0px"
}, 1000);
});

});
</script>

</body>
</html>
```

Output:

After:

Before:

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

```html
<!DOCTYPE html>
<html>
<head>
 <title>jQuery Calculator</title>

 <!-- jQuery CDN -->
 <script src="https://code.jquery.com/jquery-3.6.0.min.js"></script>

 <style>
 body {
 font-family: Arial, sans-serif;
 }

 .calculator {
 width: 260px;
 margin: 50px auto;
 padding: 20px;
 border: 2px solid #333;
 text-align: center;
 border-radius: 8px;
 }

 input[type="text"] {
 width: 90%;
 padding: 8px;
 margin: 8px 0;
 font-size: 16px;
 text-align: right;
 }

 button {
 width: 50px;
 height: 40px;
 margin: 5px;
 font-size: 16px;
 cursor: pointer;
 }
 </style>
</head>
```

```html
<body>

<div class="calculator">
 <h3>Calculator</h3>

 <input type="text" id="num1" placeholder="Number 1">
 <input type="text" id="num2" placeholder="Number 2">
 <input type="text" id="result" placeholder="Result" readonly>

 <br>

 <button id="add">+</button>
 <button id="sub">-</button>
 <button id="mul">×</button>
 <button id="div">÷</button>
</div>

<script>
 $(document).ready(function () {

 $("#add").click(function () {
 var a = parseFloat($("#num1").val());
 var b = parseFloat($("#num2").val());
 $("#result").val(a + b);
 });

 $("#sub").click(function () {
 var a = parseFloat($("#num1").val());
 var b = parseFloat($("#num2").val());
 $("#result").val(a - b);
 });

 $("#mul").click(function () {
 var a = parseFloat($("#num1").val());
 var b = parseFloat($("#num2").val());
 $("#result").val(a * b);
 });

 $("#div").click(function () {
 var a = parseFloat($("#num1").val());
 var b = parseFloat($("#num2").val());
 $("#result").val(a / b);
 });

 });
</script>

</body>
</html>
```
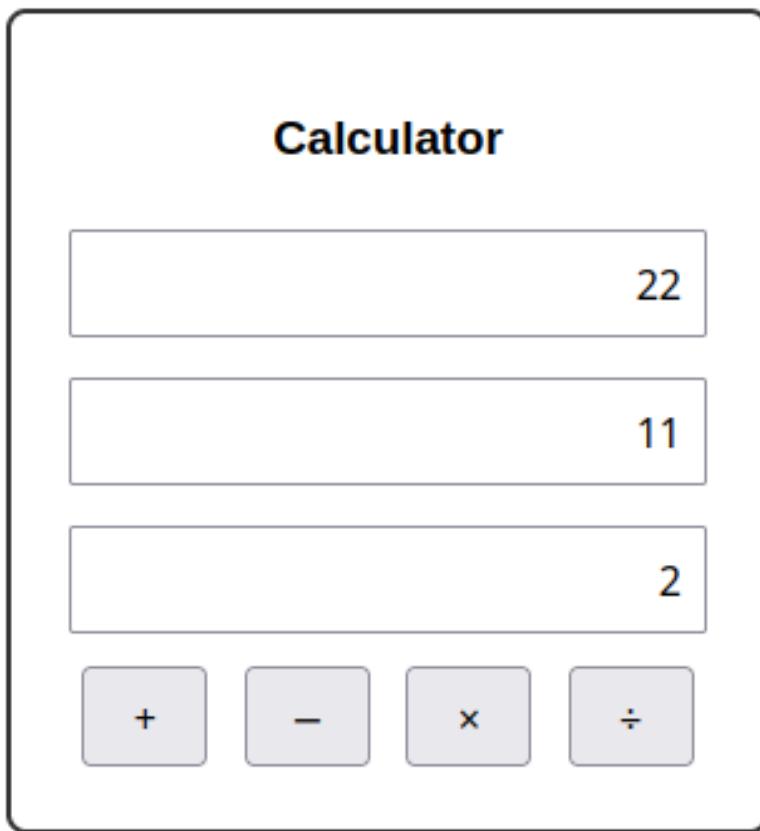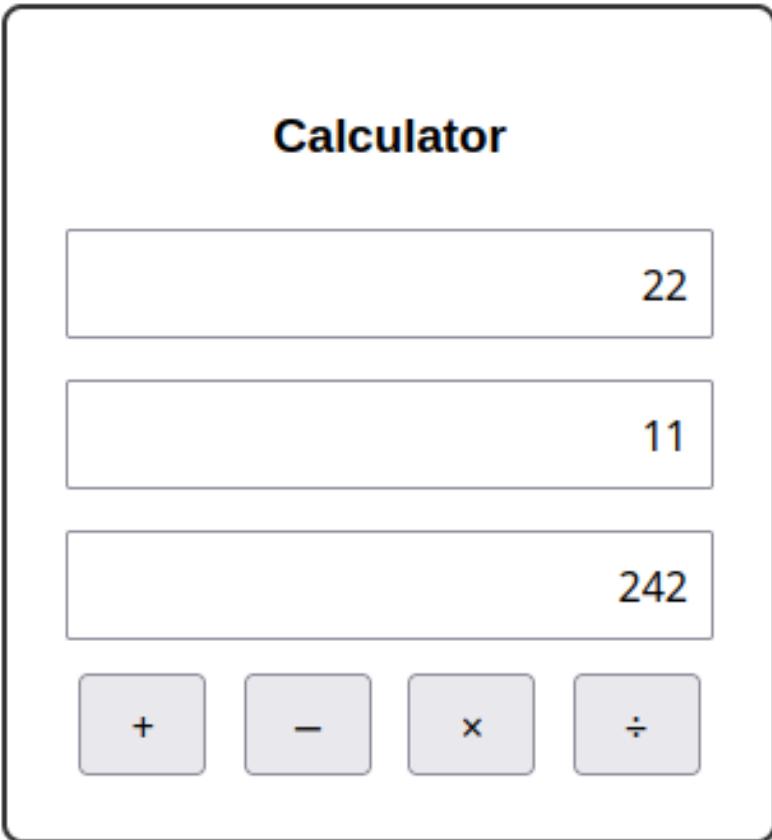
Output:

Calculator

	22

	11

	242

[+] [−] [×] [÷]

Calculator

	22

	11

	2

[+] [−] [×] [÷]

Question 3:
Create a web page to design a custom birthday card.

```html
<!DOCTYPE html>
<html>
<head>
 <title>Birthday Card Designer</title>

 <!-- jQuery CDN -->
 <script src="https://code.jquery.com/
jquery-3.6.0.min.js"></script>

 <style>
 body {
 font-family: Arial, sans-serif;
 }

 .container {
 display: flex;
 gap: 20px;
 padding: 20px;
 }

 .controls {
 width: 300px;
 }

 .controls label {
 display: block;
 margin-top: 10px;
 font-weight: bold;
 }

 .controls input[type="text"],
 .controls select {
 width: 100%;
 padding: 5px;
 margin-top: 5px;
 }

 .controls input[type="radio"],
 .controls input[type="checkbox"] {
 width: auto;
 margin: 0;
 }
```

```css
.controls button {
margin-top: 15px;
padding: 8px;
width: 100px;
}

.option {
display: flex;
align-items: center;
gap: 8px;
margin-top: 6px;
font-weight: normal;
}

.card {
width: 300px;
height: 400px;
background-color: yellow;
border: 4px solid black;
text-align: center;
padding: 15px;
}

.card h2 {
margin-top: 10px;
}

.card img {
width: 150px;
margin-top: 20px;
}
</style>
</head>

<body>

<div class="container">

 <div class="controls">
 <label>Choose a background color:</label>
 <select id="bgColor">
 <option value="yellow">Yellow</option>
 <option value="pink">Pink</option>
 <option value="lightblue">Light Blue</option>
 <option value="lightgreen">Light Green</option>
 </select>
```

```html
<label>Choose a font:</label>
<select id="fontStyle">
<option value="Verdana">Verdana</option>
<option value="Arial">Arial</option>
<option value="Times New Roman">Times New Roman</option>
</select>

<label>Specify a numeric font size:</label>
<input type="text" id="fontSize" value="25">

<label>Choose a border style:</label>

<label class="option">
<input type="radio" name="border" value="none">
None
</label>

<label class="option">
<input type="radio" name="border" value="double">
Double
</label>

<label class="option">
<input type="radio" name="border" value="solid" checked>
Solid
</label>

<label class="option">
<input type="checkbox" id="showImage" checked>
Add the Default Picture
</label>

<label>Enter the greeting text below:</label>
<input type="text" id="greetingText" value="Happy Birthday, and many
more">

<button id="updateBtn">Update</button>
</div>

<div class="card" id="card">
<h2 id="cardText">Happy Birthday, and many more</h2>
<img src="bday.jpg" id="cardImage">
</div>

</div>
```

```
<script>
 $(document).ready(function () {

 $("#updateBtn").click(function () {

 // Background color
 $("#card").css("background-color", $("#bgColor").val());

 // Font family
 $("#cardText").css("font-family", $("#fontStyle").val());

 // Font size
 $("#cardText").css("font-size", $("#fontSize").val() + "px");

 // Border style
 var borderStyle = $("input[name='border']:checked").val();
 if (borderStyle === "none") {
 $("#card").css("border", "none");
 } else {
 $("#card").css("border", "4px " + borderStyle + " black");
 }

 // Greeting text
 $("#cardText").text($("#greetingText").val());

 // Image toggle
 if ($("#showImage").is(":checked")) {
 $("#cardImage").show();
 } else {
 $("#cardImage").hide();
 }
 });

 });
</script>

</body>
</html>
```

Output:

Choose a background color:

Pink ⌄

Choose a font:

Arial ⌄

**Specify a numeric font size:**

25

Choose a border style:

◯ None
⦿ Double
◯ Solid
☑ Add the Default Picture

Enter the greeting text below:

HEHEHEHE HAPPY BIRTHDAY BROOO

[Update]

HEHEHEHE HAPPY BIRTHDAY BROOO

Choose a background color:

Yellow ⌄

Choose a font:

Times New Roman ⌄

Specify a numeric font size:

30

Choose a border style:

◯ None
◯ Double
⦿ Solid
☑ Add the Default Picture

Enter the greeting text below:

YOUU TURNEDD 21!!!

[Update]

YOUU TURNEDD 21!!!