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SECTION: CSE C-1

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Lab No. 2 – JQuery

Q1. 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.

Ans -

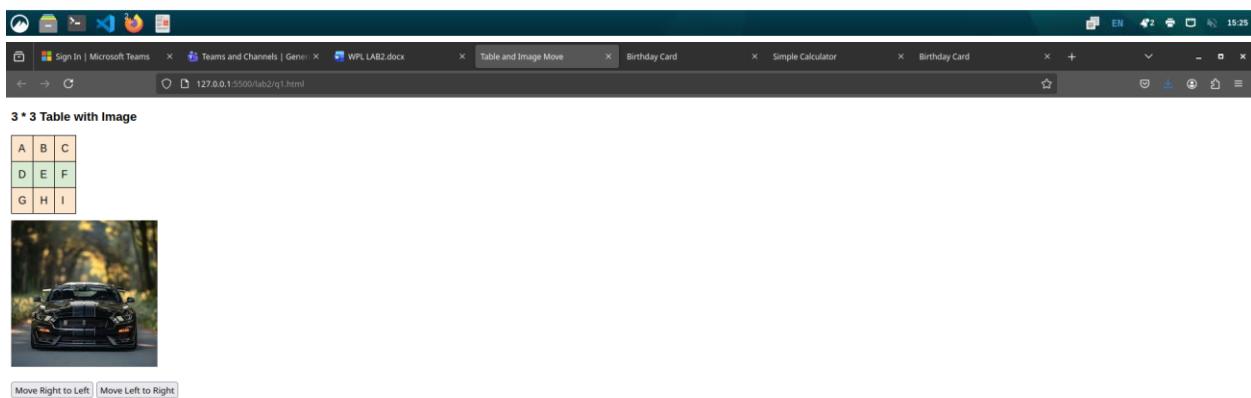
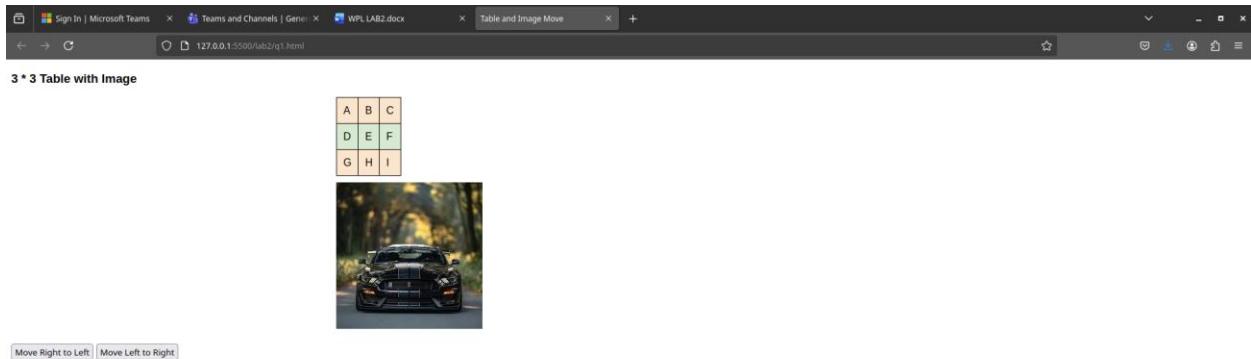
```
<!DOCTYPE html>
<html>
<head>
    <title>Table and Image Move</title>
    <script src="https://code.jquery.com/jquery-
3.6.0.min.js"></script>
    <style>
        body {
            font-family: Arial;
        }
        #container {
            position: relative;
            left: 500px;
            display: inline-block;
        }
        table {
```

```
border-collapse: collapse;
margin-bottom: 10px;
}
table, td {
border: 1px solid black;
padding: 10px;
}
tr:nth-child(even) {
background-color: #d9ead3;
}
tr:nth-child(odd) {
background-color: #fce5cd;
}
</style>
</head>
<body>
<h3>3 * 3 Table with Image</h3>
<div id="container">
<table>
<tr><td>A</td><td>B</td><td>C</td></tr>
<tr><td>D</td><td>E</td><td>F</td></tr>
<tr><td>G</td><td>H</td><td>I</td></tr>
</table>

</div>
<br><br>
<button id="leftBtn">Move Right to Left</button>
<button id="rightBtn">Move Left to Right</button>
<script>
$(document).ready(function () {

    $("#leftBtn").click(function () {
        $("#container").animate({ left: "0px" }, 1000);
    });
    $("#rightBtn").click(function () {
        $("#container").animate({ left: "500px" }, 1000);
    });
});
</script>
```

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



Q2. Design a calculator to perform basic arithmetic operations. Use textboxes and buttons to design web pages.

Ans -

```
<!DOCTYPE html>
<html>
<head>
    <title>Simple Calculator</title>
    <script src="https://code.jquery.com/jquery-
3.6.0.min.js"></script>
    <style>
        body {
            font-family: Arial;
            background-color: #eeeeee;
            text-align: center;
        }
        .calculator {
            width: 220px;
            margin: 50px auto;
            padding: 10px;
            border: 2px solid black;
            background-color: #ffffff;
        }
        #display {
            width: 200px;
            height: 30px;
            margin-bottom: 10px;
            font-size: 16px;
            text-align: right;
        }
        table {
            margin: auto;
        }
        button {
            width: 45px;
            height: 40px;
            font-size: 14px;
            margin: 2px;
        }
        .op {
```

```
background-color: #dddddd;
}
.clear {
width: 190px;
background-color: #ffcccc;
}

```

</style>

</head>

<body>

 <h3>Calculator</h3>

 <div class="calculator">

 <input type="text" id="display" readonly>

 <table>

 <tr>

 <td><button class="btn">7</button></td>

 <td><button class="btn">8</button></td>

 <td><button class="btn">9</button></td>

 <td><button class="btn op">/</button></td>

 </tr>

 <tr>

 <td><button class="btn">4</button></td>

 <td><button class="btn">5</button></td>

 <td><button class="btn">6</button></td>

 <td><button class="btn op">*</button></td>

 </tr>

 <tr>

 <td><button class="btn">1</button></td>

 <td><button class="btn">2</button></td>

 <td><button class="btn">3</button></td>

 <td><button class="btn op">-</button></td>

 </tr>

 <tr>

 <td><button class="btn">0</button></td>

 <td><button class="btn">. </button></td>

 <td><button id="equals">=</button></td>

 <td><button class="btn op">+</button></td>

 </tr>

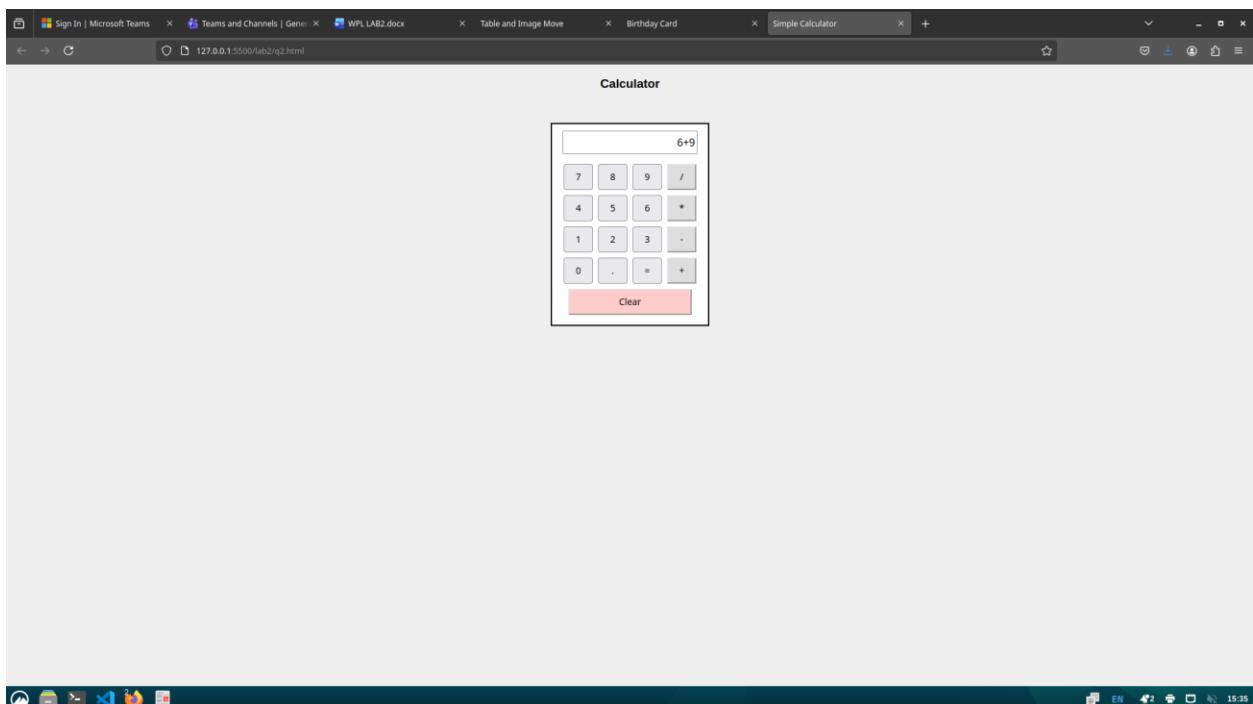
 <tr>

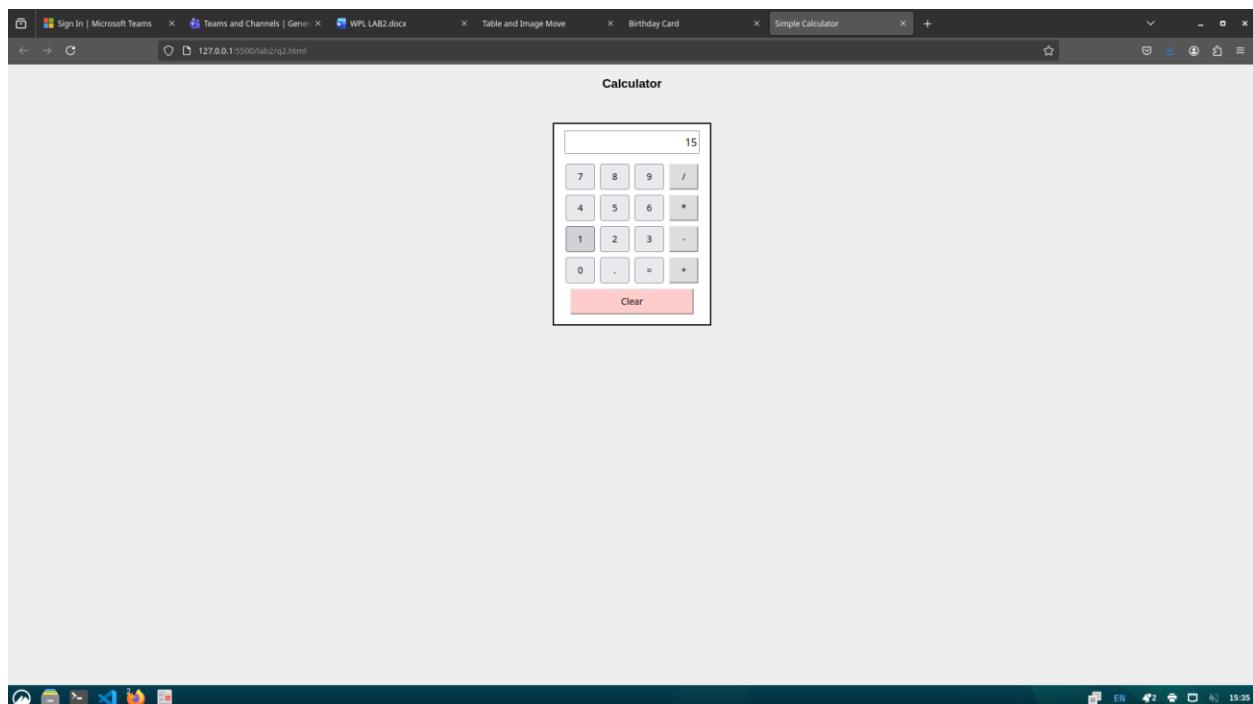
 <td colspan="4">

```

        <button class="clear" id="clear">Clear</button>
        </td>
    </tr>
</table>
</div>
<script>
$(document).ready(function () {
    $(".btn").click(function () {
        let value = $(this).text();
        $("#display").val($("#display").val() + value);
    });
    $("#equals").click(function () {
        let exp = $("#display").val();
        $("#display").val(eval(exp));
    });
    $("#clear").click(function () {
        $("#display").val("");
    });
});
</script>
</body>
</html>

```





Q3. Create a web page to design a birthday card shown below.

Ans -

```
<!DOCTYPE html>
<html>
<head>
    <title>Birthday Card</title>
    <script src="https://code.jquery.com/jquery-
3.6.0.min.js"></script>
    <style>
        body {
            font-family: Arial;
            display: flex;
        }
        .controls {
            width: 40%;
            padding: 20px;
            background-color: #ffff2cc;
        }
        .card {
            width: 60%;
            height: 450px;
        }
    </style>

```

```
margin: 20px;
background-color: yellow;
text-align: center;
padding: 20px;
border: 5px solid black;
}
.image-box {
background-color: white;
display: inline-block;
padding: 15px;
border-radius: 10px;
margin-top: 20px;
}
.image-box img {
width: 220px;
height: auto;
}

```

</style>

</head>

<body>

```
<div class="controls">
<h3>Customize Card</h3>
Background Color:
<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><br><br>
Font:
<select id="font">
<option value="Verdana">Verdana</option>
<option value="Arial">Arial</option>
<option value="Courier New">Courier New</option>
<option value="Georgia">Georgia</option>
</select><br><br>

Font Size:
<input type="number" id="size" value="25"><br><br>
```

```
Text Color:  
    <input type="color" id="textColor"  
value="#000000"><br><br>  
Text Alignment:  
    <select id="align">  
        <option value="center">Center</option>  
        <option value="left">Left</option>  
        <option value="right">Right</option>  
    </select><br><br>  
Border Style:  
    <input type="radio" name="border" value="solid" checked>  
Solid  
    <input type="radio" name="border" value="double"> Double  
<br><br>  
Border Color:  
    <input type="color" id="borderColor"  
value="#000000"><br><br>  
Image Size:  
    <input type="range" id="imgSize" min="150" max="300"  
value="220"><br><br>  
Show Image:  
    <input type="checkbox" id="showImg" checked>  
<br><br>  
Greeting Text:<br>  
    <textarea id="text" rows="3">Happy Birthday, and many  
more</textarea>  
<br><br>  
    <button id="updateBtn">Update</button>  
</div>  
    <div class="card" id="card">  
        <h2 id="msg">Happy Birthday, and many more</h2>  
        <div class="image-box" id="imgBox">  
              
        </div>  
    </div>  
<script>  
$(document).ready(function () {  
    $("#updateBtn").click(function () {
```

```

        $("#card").css({
            "background-color": $("#bgColor").val(),
            "border-style":
                $("input[name='border']:checked").val(),
            "border-color": $("#borderColor").val()
        });
        $("#msg").css({
            "font-family": $("#font").val(),
            "font-size": $("#size").val() + "px",
            "color": $("#textColor").val(),
            "text-align": $("#align").val()
        }).text($("#text").val());
        $("#cakeImg").css("width", $("#imgSize").val() + "px");
        if ($("#showImg").is(":checked")) {
            $("#imgBox").show();
        } else {
            $("#imgBox").hide();
        }
    });
}

</script>
</body>
</html>

```

Screenshot of a web browser showing a birthday card customization interface. The left side shows a 'Customize Card' form with various settings like background color (Yellow), font (Verdana), font size (25), text color, text alignment (Center), border style (Solid), border color, image size, and a checked 'Show Image' checkbox. The right side shows the generated birthday card with a yellow background, the greeting 'Happy Birthday, and many more', and a colorful illustration of a three-tiered birthday cake with balloons.



Screenshot of a web-based birthday card customization interface.

The left sidebar shows the "Customize Card" settings:

- Background Color: Light Blue
- Font: Courier New
- Font Size: 50
- Text Color: Green
- Text Alignment: Center
- Border Style: Double
- Border Color: Gray
- Image Size: 100%
- Show Image: Checked

The main area displays the card template with the text "Happy Birthday" and a colorful birthday cake illustration surrounded by balloons.

