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SECTION: CSE **C-1**

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DATE: **14TH JAN 2025**

### **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 {
```

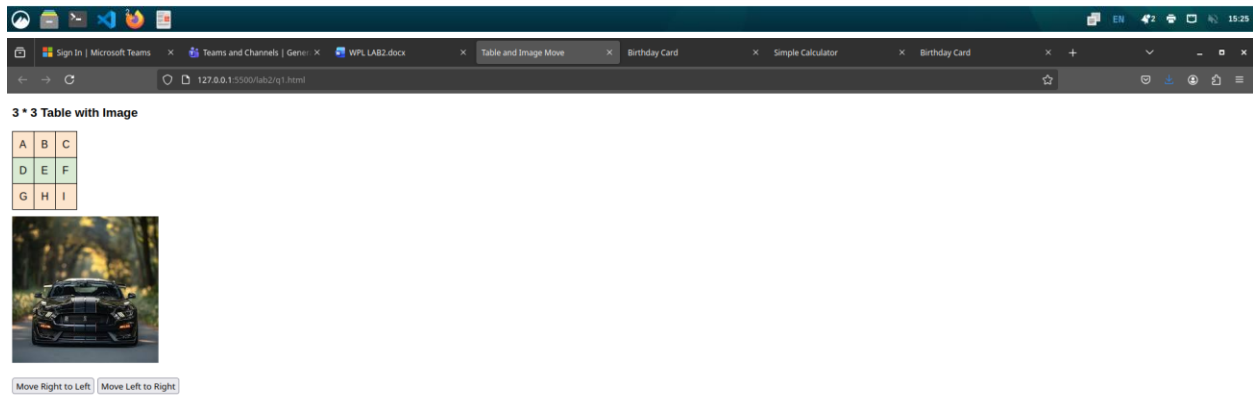
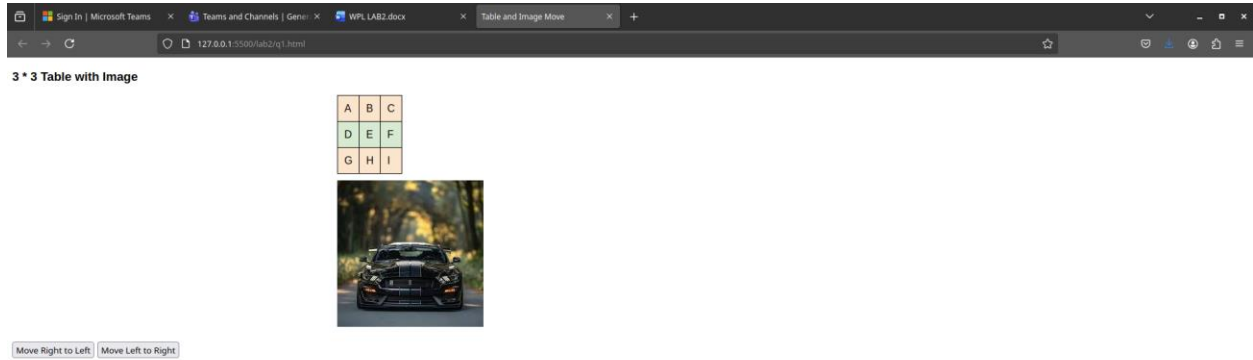
```

        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 {
```

```

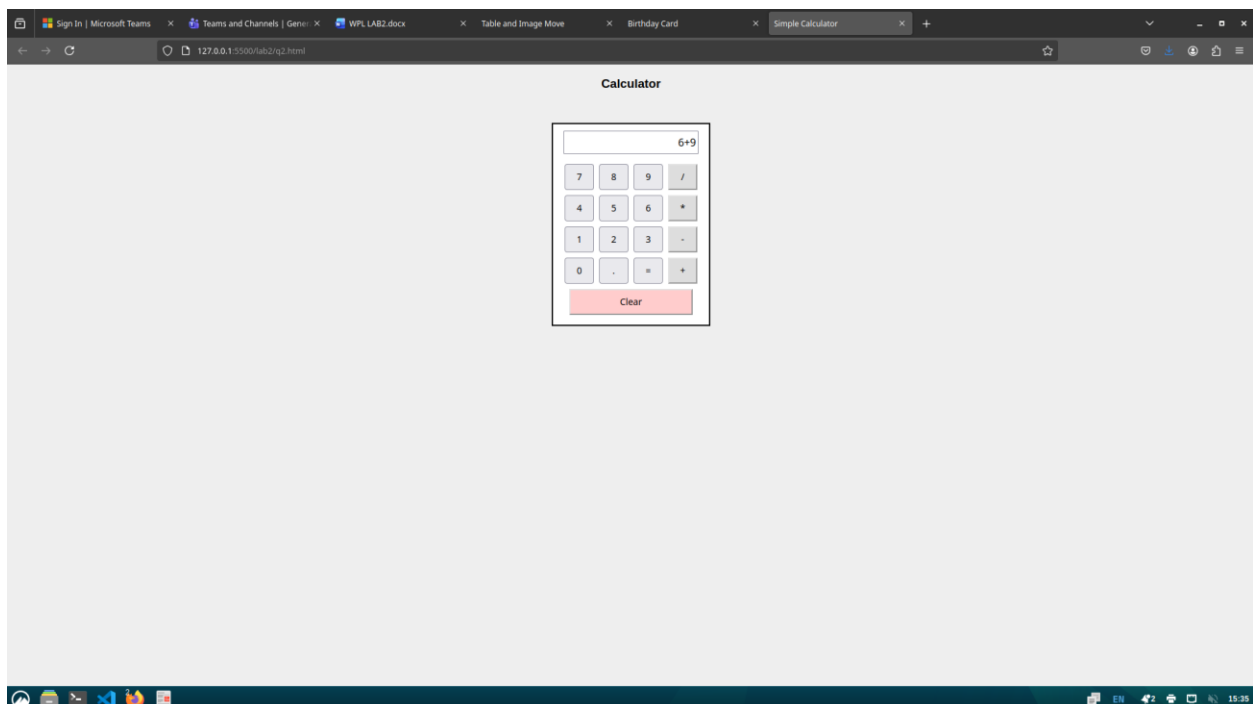
        background-color: #dddddd;
    }
    .clear {
        width: 190px;
        background-color: #ffcccc;
    }
</style>
</head>
<body>
    <h3>Calculator</h3>
    <div class="calculator">
        <input type="text" id="display" readonly>
        <table>
            <tr>
                <td><button class="btn">7</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">

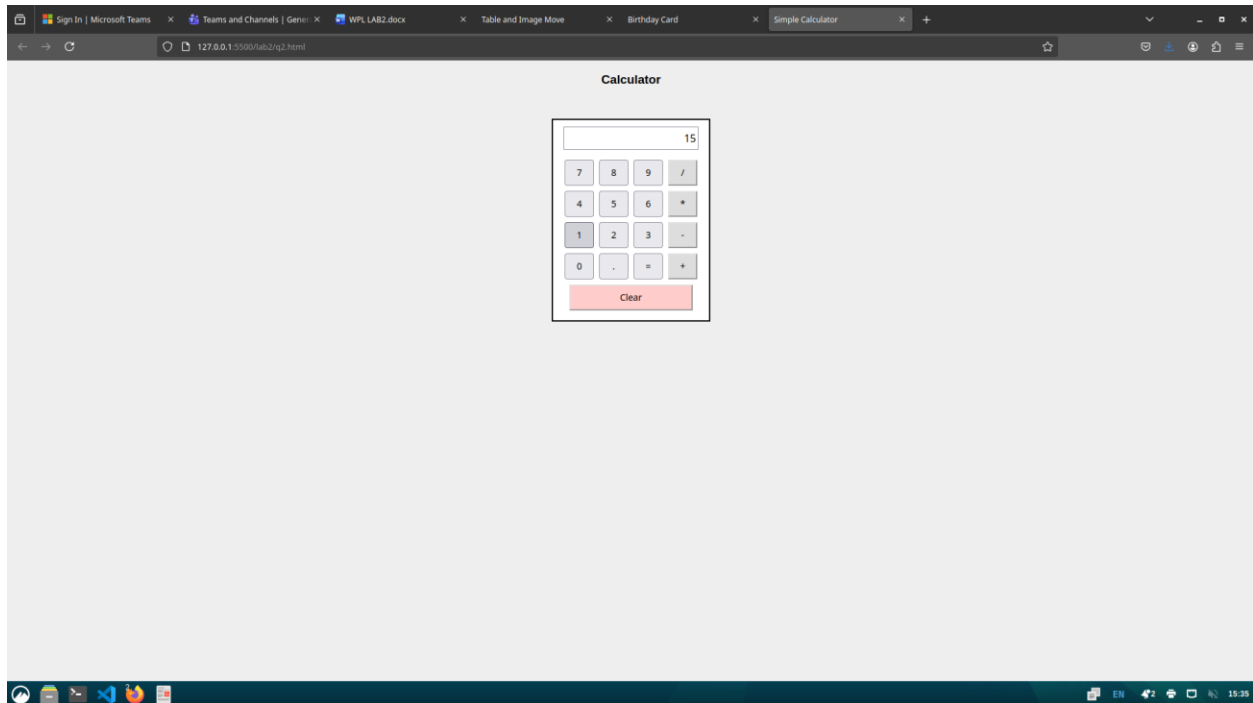
```

```

        <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: #fff2cc;
    }
    .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:

<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="double"> Double  
<br><br>

Border Color:

<br><br>

Image Size:

<br><br>

Show Image:

☐<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>

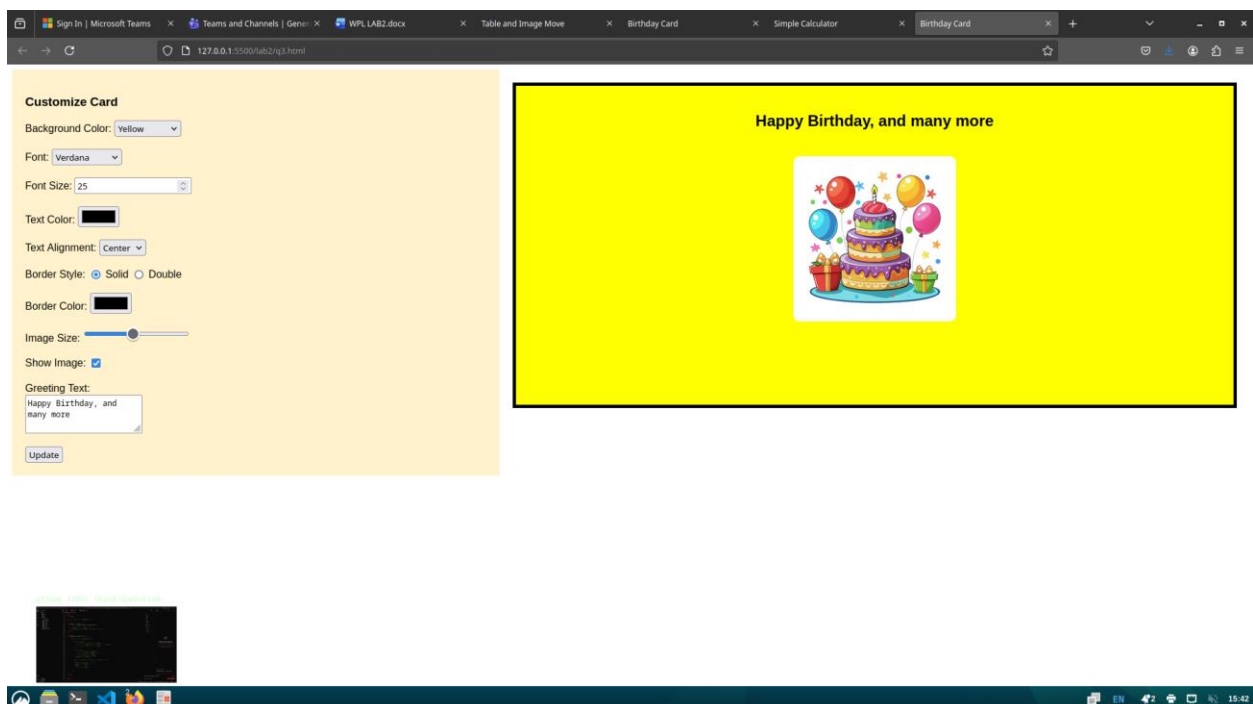
<script>

    \$(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>

```



### Customize Card

Background Color: Light Blue

Font: Courier New

Font Size: 50

Text Color:

Text Alignment: Center

Border Style: ☐ Solid ☒ Double

Border Color:

Image Size:

Show Image: ☒

Greeting Text:

Happy Birthday

Update

# Happy Birthday

