

## Lab 2 jQuery

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

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Table and Image Movement</title>
  <script type="text/javascript" src="jquery-3.7.1.min.js"></script>
  <style>
    body {
      font-family: Arial, sans-serif;
      padding: 20px;
      background-color: #f4f4f4;
      text-align: center;
    }

    table {
      width: 300px;
      border-collapse: collapse;
      margin-bottom: 20px;
    }
    table, th, td {
      border: 1px solid #ccc;
    }

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

    /* Alternating row colors */
    tr:nth-child(odd) {
      background-color: #f2f2f2;
```

```

    }

    tr:nth-child(even) {
        background-color: #e9e9e9;
    }

    img {
        width: 300px;
        height: 200px;
        margin-top: 20px;
    }

    #container {
        position: relative;
        width: 100%; /* Ensure the container takes full width */
    }

    /* Set initial position for the table and image */
    #table, #image {
        position: relative;
        top: 0;
    }

    /* Adjust image to be below the table */
    #image {
        margin-top: 20px; /* Adjust this if needed based on your table height */
    }

    button {
        padding: 10px 20px;
        background-color: #4CAF50;
        color: white;
        border: none;
        cursor: pointer;
        margin-top: 40px; /* Ensure it is positioned below the table and image */
    }

    button:hover {
        background-color: #45a049;
    }
</style>
</head>
<body>

<h2>Table and Image Movement Example</h2>

<div id="container">
    <!-- Table -->

```

```

<table id="table" align="center">
  <tr>
    <th>Header 1</th>
    <th>Header 2</th>
    <th>Header 3</th>
  </tr>
  <tr>
    <td>1</td>
    <td>2</td>
    <td>3</td>
  </tr>
  <tr>
    <td>4</td>
    <td>5</td>
    <td>6</td>
  </tr>
  <tr>
    <td>7</td>
    <td>8</td>
    <td>9</td>
  </tr>
</table>

<!-- Image -->

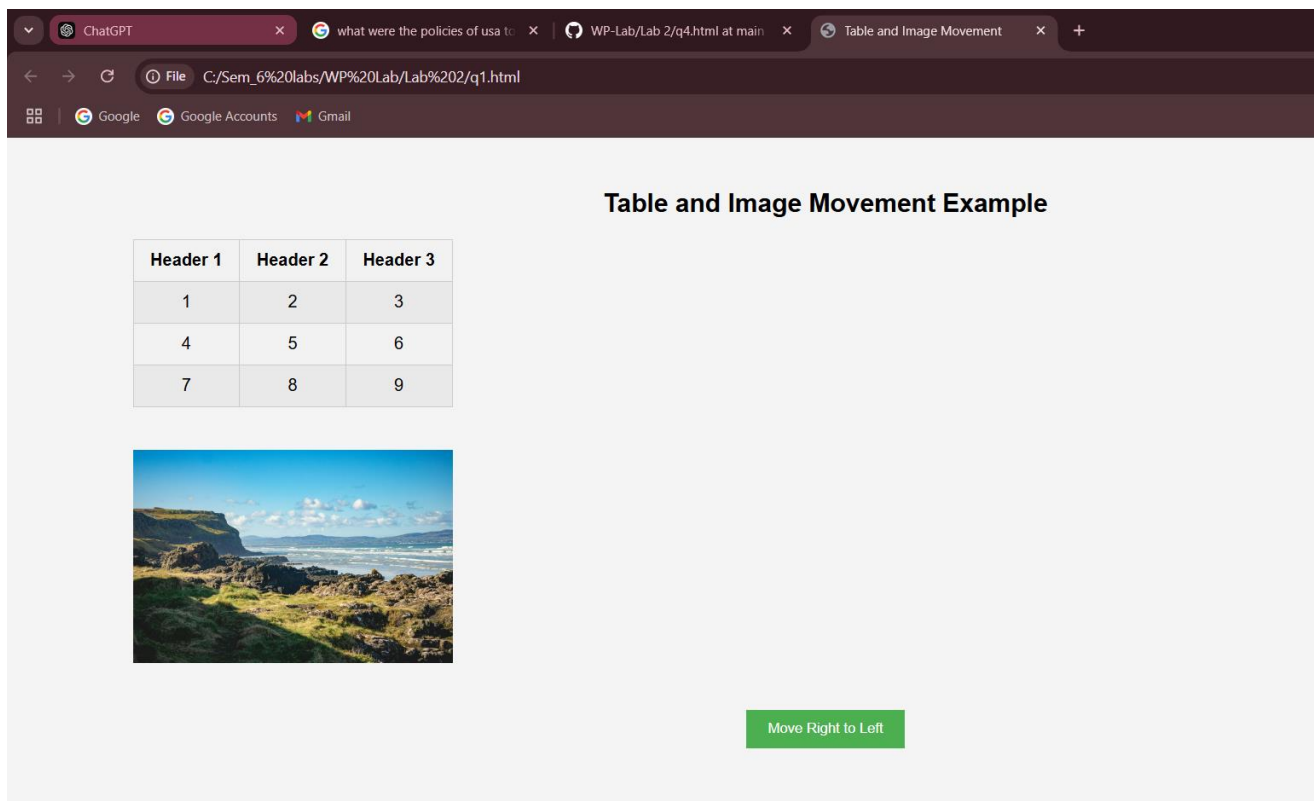
</div>

<!-- Button to trigger the movement -->
<button id="moveBtn">Move Right to Left</button>

<script>
$(document).ready(function() {
  // Button click event to move table and image
  $("#moveBtn").click(function() {
    // Move both the table and the image together
    $("#table, #image").animate({
      left: "-=500px" // Move them 500px to the left
    }, 2000); // The animation will take 2 seconds
  });
});
</script>

</body>
</html>

```



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

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Simple Calculator</title>
  <script type = "text/javascript" src="jquery-3.7.1.min.js"></script>
  <style>
    input, button
    {
      padding: 10px;
      font-size: 18px;
      margin: 5px;
    }
    #display
    {
      width: 200px;
      text-align: right;
    }
    button
    {
      width: 45px;
      height: 45px;
    }
  </style>
</head>
<body>
  <div>
    <input type="text" id="display"/>
    <div>
      <button>+</button>
      <button>-</button>
      <button>*</button>
      <button>/</button>
      <button>=</button>
      <button>C</button>
    </div>
  </div>
</body>
</html>
```

```

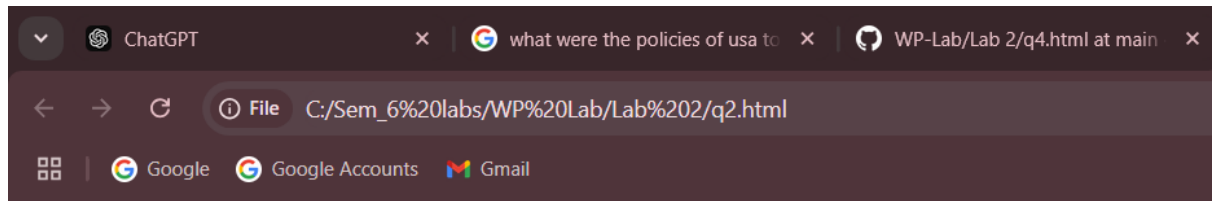
</style>
</head>
<body>
  <input type="text" id="display" disabled>
  <br>
  <button class="btn">1</button>
  <button class="btn">2</button>
  <button class="btn">3</button>
  <button class="btn">+</button>
  <br>
  <button class="btn">4</button>
  <button class="btn">5</button>
  <button class="btn">6</button>
  <button class="btn">-</button>
  <br>
  <button class="btn">7</button>
  <button class="btn">8</button>
  <button class="btn">9</button>
  <button class="btn">*</button>
  <br>
  <button class="btn">0</button>
  <button id="clear">C</button>
  <button id="equals">=</button>
  <button class="btn">/</button>
  <script>
    $(document).ready(function() {
      // Append number or operator to the display
      $(".btn").click(function() {
        var value = $(this).text();
        $("#display").val($("#display").val() + value);
      });

      // Clear the display
      $("#clear").click(function() {
        $("#display").val("");
      });

      // Calculate the result
      $("#equals").click(function() {
        var expression = $("#display").val();
        try {
          var result = eval(expression);
          $("#display").val(result);
        } catch (e) {
          $("#display").val('Error');
        }
      });
    });
  </script>

```

&lt;/html&gt;



## Calculator

42.8

1	2	3	+
4	5	6	-
7	8	9	*
0	C	=	/

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

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Card Customizer</title>
  <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/5.15.4/css/all.min.css">
  <style>
    body {
      display: flex;
      font-family: Arial, sans-serif;
      margin: 0;
      padding: 20px;
    }
    #options {
      width: 50%;
      padding-right: 20px;
    }
  </style>
</head>
<body>
```

```

    #card {
      width: 50%;
      border: 1px solid #ccc;
      padding: 20px;
      box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
    }
    #card img {
      max-width: 100%;
      height: auto;
    }
  </style>
</head>
<body>

<div id="options">
  <h2>Customize Your Card</h2>

  <label for="bgColor"> Choose your Background Color:</label>
  <select id="bgColor">
    <option value="#ffffff">White</option>
    <option value="#ffcccb">Light Red</option>
    <option value="#ccffcc">Light Green</option>
    <option value="#add8e6">Light Blue</option>
  </select>
  <br><br>

  <label for="font">Choose your Font:</label>
  <select id="font">
    <option value="Arial">Arial</option>
    <option value="Courier New">Courier New</option>
    <option value="Georgia">Georgia</option>
    <option value="Times New Roman">Times New Roman</option>
  </select>
  <br><br>

  <label for="fontSize">Choose your Font Size:</label>
  <input type="number" id="fontSize" value="16" min="10" max="50"> px
  <br><br>

  <label>Select your Border Style:</label><br>
  <input type="radio" name="border" value="none" checked> None<br>
  <input type="radio" name="border" value="solid"> Solid<br>
  <input type="radio" name="border" value="dashed"> Dashed<br>
  <input type="radio" name="border" value="dotted"> Dotted<br>
  <br>

  <label>
    <input type="checkbox" id="defaultImage"> Add Default Picture

```

```

</label>
<br><br>

<label for="greetingText">Greeting Text:</label><br>
<textarea id="greetingText" rows="4" cols="30"></textarea>
<br><br>

<button id="updateCard">Update Card</button>
</div>

<div id="card">
  <div id="cardContent">
    <p>Your greeting will appear here.</p>
  </div>
</div>

<script type="text/javascript" src="jquery-3.7.1.min.js"></script>
<script>
  $(document).ready(function() {
    $('#updateCard').click(function() {
      // Get values from inputs
      var bgColor = $('#bgColor').val();
      var font = $('#font').val();
      var fontSize = $('#fontSize').val() + 'px';
      var borderStyle = $('#input[name="border"]:checked').val();
      var greetingText = $('#greetingText').val();
      var defaultImage = $('#defaultImage').is(':checked');

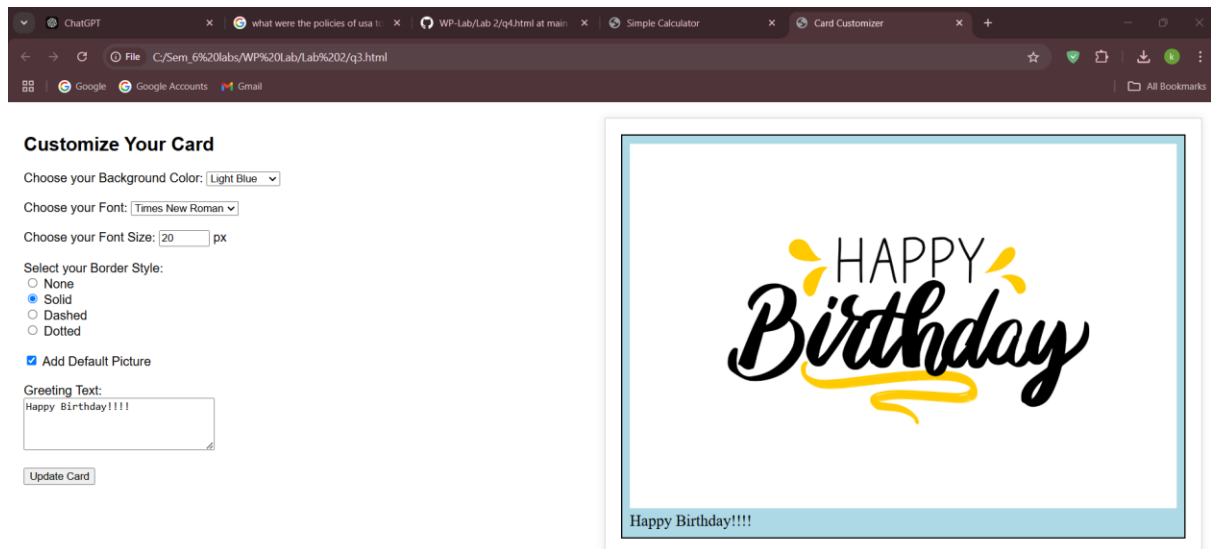
      // Update card styles
      $('#cardContent').css({
        'background-color': bgColor,
        'font-family': font,
        'font-size': fontSize,
        'border': borderStyle === 'none' ? 'none' : '2px ' + borderStyle + ' black',
        'padding': '10px'
      });

      // Update greeting text
      $('#cardContent').html(greetingText || 'Your greeting will appear here.');
```



```
});
</script>
```

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



#### 4. Design a webpage. The page contains:

**Dropdown list with HP, Nokia, Samsung, Motorola, Apple as items.**

**Checkbox with Mobile and Laptop as items.**

**Textbox where you enter quantity.**

**On Clicking Produce Bill button, alert should be displayed with total amount.**

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<head>
```

```
  <meta charset="UTF-8">
```

```
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
```

```
  <title>Bill Generator</title>
```

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

```
  <style>
```

```
    body {
```

```
      font-family: Arial, sans-serif;
```

```
      padding: 20px;
```

```
      background-color: #f4f4f4;
```

```
    }
```

```
    .container {
```

```
      background-color: white;
```

```
      padding: 20px;
```

```
      border-radius: 8px;
```

```
      box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
```

```
      width: 300px;
```

```

    }
    input, select, button {
        width: 100%;
        padding: 10px;
        margin: 10px 0;
    }
    button {
        background-color: #4CAF50;
        color: white;
        border: none;
        cursor: pointer;
    }
    button:hover {
        background-color: #45a049;
    }
    .checkbox-group {
        margin: 10px 0;
    }
</style>
</head>
<body>
    <div class="container">
        <h3>Generate Bill</h3>
        <!-- Dropdown List -->
        <label for="brand">Select Brand:</label>
        <select id="brand">
            <option value="HP">HP</option>
            <option value="Nokia">Nokia</option>
            <option value="Samsung">Samsung</option>
            <option value="Motorola">Motorola</option>
            <option value="Apple">Apple</option>
        </select>
        <!-- Checkbox List -->
        <div class="checkbox-group">
            <label><input type="checkbox" id="mobile"> Mobile</label><br>
            <label><input type="checkbox" id="laptop"> Laptop</label><br>
        </div>
        <!-- Quantity Textbox -->
        <label for="quantity">Enter Quantity:</label>
        <input type="number" id="quantity" min="1" required>
        <!-- Produce Bill Button -->
        <button id="produceBill">Produce Bill</button>
    </div>
    <script>
        $(document).ready(function() {
            // Price list for each item type
            var prices = {
                "HP": { "Mobile": 300, "Laptop": 800 },

```

```

    "Nokia": { "Mobile": 200, "Laptop": 700 },
    "Samsung": { "Mobile": 350, "Laptop": 900 },
    "Motorola": { "Mobile": 250, "Laptop": 750 },
    "Apple": { "Mobile": 600, "Laptop": 1500 }
};
// On clicking "Produce Bill"
$("#produceBill").click(function() {
    var brand = $("#brand").val(); // Get selected brand
    var quantity = $("#quantity").val(); // Get entered quantity
    // Check if quantity is valid
    if (!quantity || quantity <= 0) {
        alert("Please enter a valid quantity.");
        return;
    }
    var totalAmount = 0;
    var itemsSelected = false;
    // Check if Mobile is selected
    if ($("#mobile").is(":checked"))
    {
        totalAmount += prices[brand]["Mobile"] * quantity;
        itemsSelected = true;
    }
    // Check if Laptop is selected
    if ($("#laptop").is(":checked"))
    {
        totalAmount += prices[brand]["Laptop"] * quantity;
        itemsSelected = true;
    }
    // If no items are selected, show alert
    if (!itemsSelected)
    {
        alert("Please select at least one item (Mobile or Laptop).");
        return;
    }
    // Display the total amount in an alert
    alert("Total Amount: $" + totalAmount);
});
});
</script>
</body>
</html>

```

