Lab2 – JQuery

Q1.

```html
<!DOCTYPE html>
<html>
<head>
    <title>Q1</title>
    <script src="https://code.jquery.com/jquery-3.6.0.min.js"></script>
    <style>
        #wrap {
            position: relative;
            left: 0px;
            margin: 20px;
        }

        table {
            border-collapse: collapse;
            width: 300px;
        }

        td, th {
            border: 1px solid black;
            padding: 10px;
        }
        tr:nth-child(even) {
            background-color: lightgreen;
        }

        tr:nth-child(odd) {
            background-color: lightsalmon;
        }

        img {
            width: 250px;
            display: block;
            margin-top: 10px;
        }
    </style>

    <script type="text/javascript">
        $(document).ready(function() {
```

```
            var isAtRight = false;

            $("#moveBtn").click(function() {
                if (!isAtRight) {
                    $("#wrap").animate({
                        left: '400px'
                    }, 800);
                    isAtRight = true;
                } else {
                    $("#wrap").animate({
                        left: '0px'
                    }, 800);
                    isAtRight = false;
                }
            });
        });
    </script>
</head>
<body>
    <h2>Moving Image and Table</h2>
    <button id="moveBtn">Toggle Position</button>
    <div id="wrap">
        <table>
            <tr>
                <th>Item</th>
                <th>Qty</th>
                <th>Status</th>
            </tr>
            <tr>
                <td>Computer</td>
                <td>10</td>
                <td>Low Stock</td>
            </tr>
            <tr>
                <td>Mouse</td>
                <td>50</td>
                <td>In Stock</td>
            </tr>
            <tr>
                <td>Keyboard</td>
                <td>25</td>
                <td>In Stock</td>
            </tr>
        </table>
```
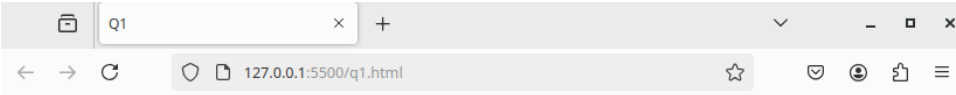
```
        <img src="img.png" alt="Image">
    </div>
</body>
</html>
```
Screenshot:

127.0.0.1:5500/q1.html

Moving Image and Table

Toggle Position

Item	Qty	Status
Computer	10	Low Stock
Mouse	50	In Stock
Keyboard	25	In Stock

Q2.

```html
<!DOCTYPE html>
<html>
<head>
    <title>Q2</title>
    <script src="https://code.jquery.com/jquery-3.6.0.min.js"></script>
    <style>
        .calc-container {
            width: 250px;
            margin: 50px auto;
            padding: 15px;
            border: 2px solid black;
            text-align: center;
        }

        #result {
            width: 90%;
            margin-bottom: 10px;
            padding: 10px;
            font-size: 18px;
        }

        input[type="button"] {
            width: 50px;
            height: 50px;
            margin: 2px;
            cursor: pointer;
        }

        .wide-btn {
            width: 108px !important;
        }
    </style>

    <script type="text/javascript">
        $(document).ready(function() {
            $(".btn").click(function() {
                var v = $(this).val();
                $("#result").val($("#result").val() + v);
            });
            $("#clear").click(function() {
                $("#result").val("");
            });
            $("#equal").click(function() {
                try {
```

```
                var ans = eval($("#result").val());
                $("#result").val(ans);
            } catch (e) {
                $("#result").val("Error");
            }
        });
    });
    </script>
</head>

<body>
    <div class="calc-container">
        <h3>Calculator</h3>
        <input type="text" id="result" readonly>
        <br>
        <input type="button" value="C" id="clear" class="wide-btn">
        <input type="button" value="/" class="btn">
        <input type="button" value="*" class="btn">
        <br>
        <input type="button" value="7" class="btn">
        <input type="button" value="8" class="btn">
        <input type="button" value="9" class="btn">
        <input type="button" value="-" class="btn">
        <br>
        <input type="button" value="4" class="btn">
        <input type="button" value="5" class="btn">
        <input type="button" value="6" class="btn">
        <input type="button" value="+" class="btn">
        <br>
        <input type="button" value="1" class="btn">
        <input type="button" value="2" class="btn">
        <input type="button" value="3" class="btn">
        <input type="button" value="." class="btn">
        <br>
        <input type="button" value="0" class="btn">
        <input type="button" value="=" id="equal" class="wide-btn">
    </div>
</body>
</html>
```
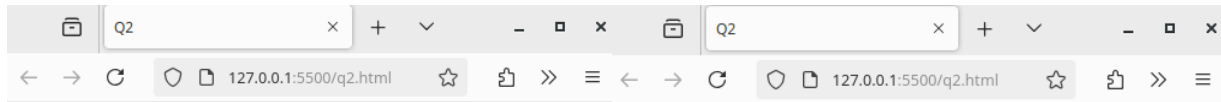
Screenshot 2:   Screenshot 2:

Calculator

9*9

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

Calculator

81

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

Q3.

```html
<!DOCTYPE html>
<html>
<head>
    <title>Birthday Card Designer</title>
    <script src="https://code.jquery.com/jquery-3.6.0.min.js"></script>
    <style>
        body {
            font-family: 'Arial', sans-serif;
            display: flex;
            height: 100vh;
            margin: 0;
        }

        #left-panel {
            width: 50%;
            padding: 25px;
            background: #e9ecef;
            border-right: 3px solid #dee2e6;
        }

        #right-panel {
            width: 50%;
            display: flex;
```

```css
        justify-content: center;
        align-items: center;
        background: #adb5bd;
    }

    #birthday-card {
        width: 350px;
        height: 450px;
        background: white;
        padding: 20px;
        text-align: center;
        border-radius: 10px;
        display: flex;
        flex-direction: column;
        justify-content: center;
    }

    .input-group {
        margin-bottom: 20px;
    }

    label {
        display: block;
        font-weight: bold;
        margin-bottom: 8px;
    }

    select,
    input[type="text"] {
        width: 100%;
        padding: 10px;
        border-radius: 4px;
        border: 1px solid #ccc;
    }

    #card-img {
        width: 100%;
        height: auto;
        display: none;
        margin-bottom: 20px;
        border-radius: 8px;
    }
```

```css
        #update-btn {
            width: 100%;
            padding: 15px;
            background: #007bff;
            color: white;
            border: none;
            border-radius: 5px;
            cursor: pointer;
            font-size: 16px;
        }
    </style>

    <script type="text/javascript">
        $(document).ready(function() {
            $("#update-btn").click(function() {
                var selectedBg = $("#bg-color").val();
                var selectedFont = $("#font-family").val();
                var selectedSize = $("#font-size").val();
                var selectedBorder = $("input[name='border']:checked").val();
                var userText = $("#greeting-input").val();
                var isPicChecked = $("#show-pic").prop("checked");

                $("#birthday-card").css({
                    "background-color": selectedBg,
                    "font-family": selectedFont,
                    "border": selectedBorder
                });

                $("#card-text").text(userText).css("font-size", selectedSize);

                if (isPicChecked) {
                    $("#card-img").fadeIn();
                } else {
                    $("#card-img").fadeOut();
                }
            });
        });
    </script>
</head>
<body>
    <div id="left-panel">
        <h2>Card Settings</h2>
        <div class="input-group">
            <label>Background Color:</label>
```

```html
        <select id="bg-color">
            <option value="white">Default White</option>
            <option value="#f8d7da">Pastel Red</option>
            <option value="#d4edda">Pastel Green</option>
            <option value="#d1ecf1">Pastel Blue</option>
        </select>
    </div>

    <div class="input-group">
        <label>Font Style:</label>
        <select id="font-family">
            <option value="Arial">Modern (Arial)</option>
            <option value="'Times New Roman'">Classic (Serif)</option>
            <option value="Cursive">Handwritten (Cursive)</option>
        </select>
    </div>

    <div class="input-group">
        <label>Font Size:</label>
        <select id="font-size">
            <option value="24px">Small</option>
            <option value="36px">Medium</option>
            <option value="50px">Large</option>
        </select>
    </div>

    <div class="input-group">
        <label>Border Style:</label>
        <input type="radio" name="border" value="none" checked> None
        <input type="radio" name="border" value="8px double #333"> Double
        <input type="radio" name="border" value="5px dashed #007bff"> Dashed
Blue
    </div>

    <div class="input-group">
        <label><input type="checkbox" id="show-pic"> Add a default
picture</label>
    </div>

    <div class="input-group">
        <label>Greeting Text:</label>
        <input type="text" id="greeting-input" value="Happy Birthday!">
    </div>
```

```
        <button id="update-btn">Apply Changes</button>
    </div>

    <div id="right-panel">
        <div id="birthday-card">
            <img id="card-img" src="cake.jpg" alt="Cake Icon">
            <h1 id="card-text">Happy Birthday!</h1>
        </div>
    </div>
</body>
</html>
```
Screenshot:

Card Settings

Background Color:

Default White

Font Style:

Modern (Arial)

Font Size:

Small

Border Style:

◉ None ○ Double ○ Dashed Blue

☐ **Add a default picture**

Greeting Text:

Happy Birthday!

Apply Changes

Happy Birthday!

Card Settings

Background Color:

Pastel Red

Font Style:

Handwritten (Cursive)

Font Size:

Medium

Border Style:

○ None ◉ Double ○ Dashed Blue

☑ **Add a default picture**

Greeting Text:

Happy Birthday!

Apply Changes

Happy Birthday!