

Lab 07: jQuery Basics

Objective(s):

1. Learn basics of jQuery

Lab Task(s):

Exercises

1. Write a jQuery code to set the background color of a paragraph.

```
<!DOCTYPE html>
<html>

<head>
  <meta charset=utf-8 />
  <title>JS Bin</title>
</head>

<body>
  <input type="button" value="Click to set paragraph background
color" onclick="set_background()">
  <p> JavaScript Exercises</p>
  <p> Exercises</p>
</body>
</html>
```

2. Here is a sample html file with a submit button. Write a JavaScript function to get the value of the href, hreflang, rel, target, and type attributes of the specified link (using jQuery).

```
<!DOCTYPE html>
<html>
<head>
  <meta charset=utf-8 />
</head>
```

```

<body>
  <p><a id="w3r" type="text/html" hreflang="en-us" rel="nofollow"
target="_self"
      href="http://www.w3resource.com/">Exercise</a></p>
  <button onclick="getAttributes()">Click here to get attributes
value</button>
</body>

</html>

```

3. Here is a sample html file with a submit button. Now modify the style of the paragraph text (such as fontSize, fontFamily, color, etc.) through jQuery code.

```

<!DOCTYPE html>
<html>
<head>
  <meta charset=utf-8 />
  <title>JS DOM paragraph style</title>
</head>
<body>
  <p id='text'>jQuery Exercise</p>
  <div>
    <button id="jsstyle" onclick="js_style()">Style</button>
  </div>
</body>

</html>

```

4. Write a JavaScript function to add rows to a table by using jQuery.

```

<!DOCTYPE html>
<html>
<head>
  <meta charset=utf-8 />
  <title>Insert row in a table </title>
</head>
<body>
  <table id="sampleTable" border="1">
    <tr>
      <td>Row1 cell1</td>

```

```

        <td>Row1 cell2</td>
    </tr>
    <tr>
        <td>Row2 cell1</td>
        <td>Row2 cell2</td>
    </tr>
</table><br>
<input type="button" onclick="insert_Row()" value="Insert row">
</body>
</html>

```

5. Given the following HTML, create a `script.js` file to complete the given tasks (using jQuery)

```

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>DOM Exercise</title>
    <style>
        div {
            width: 50px;
            height: 50px;
            display: inline-block;
        }
        .brown{
            background-color: brown;
        }
        .green{
            background-color: green;
        }
        .blue{
            background-color: blue;
        }
        .purple{
            background-color: purple;
        }
        .yellow{
            background-color: yellow;
        }
        .car1 {
            background-color: #8C9C12;
        }
        .car2 {
            background-color: #1DA788;
        }
        .car1, .car2 {

```

```

        margin-left: 0;
    }
</style>
</head>
<body>
  <h1 id="change_heading">Change Me!</h1>
  SELECTED COLOR <span class="selected">None!</span>
  <section>
    <div class="brown"></div>
    <div class="green"></div>
    <div class="blue"></div>
    <div class="yellow"></div>
  </section>
  <h2>Race!</h2>
  <button>Start the race!</button>
  <br>
  <div class="car1"></div>
  <br>
  <div class="car2"></div>
  <script src="script.js"></script>
</body>
</html>

```

1. Add the necessary code to wait for the DOM to load to make sure that anything you manipulate in the DOM has loaded. You can do this using jQuery.
2. Replace the text "Change me" with "Hello World!".
3. When a user hovers over one of the colored boxes change the text to display the color that is being hovered over.
4. Create a new div element.
5. Give your new div a class of purple and style it so that it has a background color of purple.
6. Append your new div to the page to the section tag.
6. Create a Tic Tac Toe game with two players. Following is a sample output (using jQuery).

X	O	X
X	O	O
O	X	O

Restart

END