

jQuery Exercises Lab 1

jQuery

jQuery is a JavaScript framework. The purpose of this framework is to make it much easier to use JavaScript on your website. You could also describe jQuery as an abstraction layer, since it takes a lot of the functionality that you would have to write many lines of JavaScript to accomplish and wraps it into functions that you can call with a single line of code. It's important to note that jQuery does not replace JavaScript, and while it does offer some syntactical shortcuts, the code you write when you use jQuery is still JavaScript code.

Exercise 1 – First jQuery

Copy and paste the following html, with embedded jQuery function to a text editor and save as jq_ex1.html.

```
<!DOCTYPE html>

<html>

<head>

    <title>First jQuery Lab</title>

    <meta charset="utf-8">

    <script type="text/javascript" src="https://ajax.googleapis.com/ajax/libs/jquery/1.5.1/jquery.min.js"></script>

    <script type="text/javascript">

        $(function(){

            $("div > h1").css("background", "red");

        });

    </script>

</head>

<body>

    <h1>Start jQuery</h1>

    <div>

        <h1>First jQuery Element Target</h1>

        <h1>Second jQuery Element Target</h1>

    </div>

    <h1>End jQuery</h1>

</body>

</html>
```

jQuery Exercises Lab 1

Open the html page in a browser. Note the h1 elements nested in the div element have a background colour of red.

Exercise 2 – Second jQuery

Take a copy of jq_ex1.html and rename the copied file jq_ex2.html. Modify the jQuery function so that the background colour of the page is set to blue.

Exercise 3 – Third jQuery

Take a copy of jq_ex2.html and rename the copied file jq_ex3.html.

Create a new folder in the same location as the the html files are stored.

Name this folder js.

In the js folder create a new file and name it “jquery.lab1.js”.

Remove the jQuery function from the web page - jq_ex3.html and add it to the js/jquery.lab1.js file.

Make sure in the web page - jq_ex3.html, the file js/jquery.lab1.js is included in a script element definition.

Open the web page - jq_ex3.html in a browser. The page should look the same as jq_ex2.html from exercise 2.

Exercise 4 – Fourth jQuery

Copy and paste the following html into a text editor and save it as jq_ex4.html.

```
<!DOCTYPE html>

<html>

<head>

    <script type="text/javascript" src="https://ajax.googleapis.com/ajax/libs/jquery/1.5.1/jquery.min.js"></script>

    <script type="text/javascript" src="js/jquery.lab1.js"></script>

    <meta charset="utf-8">

    <title>Exercise 4 - jQuery</title>

</head>

<body>

    <form name='input_form'>
```

jQuery Exercises Lab 1

```
First name: <input type="text" name="fName"><br>
Last name: <input type="text" name="lName"><br>
<input type="submit" value="Submit">

</form>

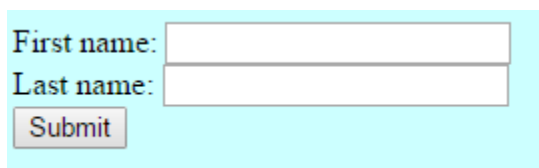
</body>
</html>
```

Open jq_ex4.html in a browser to view the page.

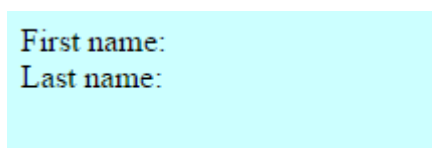
Modify the page back ground colour in the js/jquery.lab1.js file to #CCFFFF.

Comment out all other functions in js/jquery.lab1.js except the one for setting background colour on page to #CCFFFF.

Then add a function which will hide all the elements in the form on your web page so that the web page will be updated from:



To:



HINT: Please refer to <https://api.jquery.com/> for a list of jQuery functions. The function to hide the elements is `hide()`.