

MIT Art Design and Technology University
MIT School of Computing, Pune
Department of Computer Science and Engineering
Third Year B. Tech Academic Year 2022-2023. (SEM-I)
Subject: Web Technology Laboratory

Assignment 10

Assignment Title: Write a JQuery code to give animation to the div on click of button.

Aim: Create web page with animation on click

Objectives:

1. To understand how jquery can be used to beautify to manipulate DOM
2. Understand the syntax of jquery

Outcomes:

Upon Completion of the assignment the students will be able to

1. Create animated web pages using various DOM manipulation by jquery
2. Understand relationship between HTML and jquery

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Course Name: Web Technology Lab

jQuery :

```
<html lang="en">

<head>

    <meta charset="UTF-8">

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

    <title>jQuery animate on Click</title>

    <script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.6
.4/jquery.min.js"></script>

    <script>

        $(document).ready(function() {

            $("button").click(function() {

                $("#click").animate({
```

```
        opacity: 0.5,

        fontSize: "3em",

    }, 1000);

    });

});

</script>
</head>
<body>

    <h1>

        jQuery Animate on Click!!!

    </h1>

    <div id="click">

        Lorem ipsum dolor sit amet consectetur
adipisicing elit.

        Quibusdam repellendus eligendi iusto quo quam
cum, reiciendis magnam,

        sed voluptatem,

        odit laboriosam! Est ipsa magni non fuga sit
```

```
laborum corporis optio!
```

```
</div>
```

```
<button>
```

```
Click Here Bro
```

```
</button>
```

```
</body>
```

```
</html>
```

Output :

Before clicking

jQuery Animate on Click!!!

Lorem ipsum dolor sit amet consectetur adipisicing elit. Quibusdam repellendus eligendi iusto quo quam cum, reiciendis magnam, sed voluptatem, odit laboriosam! Est ipsa magni non fuga sit laborum corporis optio!

Click Here Bro

After Clicking

The font size increases and the color changes

jQuery Animate on Click!!!

Lorem ipsum dolor sit amet consectetur adipisicing elit. Quibusdam repellendus eligendi iusto quo quam cum, reiciendis magnam, sed voluptatem, odit laboriosam! Est ipsa magni non fuga sit laborum corporis optio!

Click Here Bro

Explanation :

This HTML code is a simple example of how to use jQuery to animate an element on a webpage when a button is clicked. Here's what I learned from it:

1. **HTML Structure:** The HTML structure consists of a heading, a div with some text, and a button. The div has an id of "click", which is used to target it in the jQuery script.
2. **jQuery:** The script uses jQuery, a popular JavaScript library that simplifies HTML document traversing, event handling, and animation.
3. **Document Ready Function:** The `$(document).ready()` function ensures that the script runs after the entire HTML document has been loaded.
4. **Event Handling:** The `$("#button").click()` function is an event handler that triggers when the button is clicked.
5. **Animation:** The `$("#click").animate()` function is used to animate the targeted element. In this case, it changes the opacity and font size of the text within the div over a duration of 1000 milliseconds (or 1 second).
6. **CSS Properties in jQuery:** The animate function uses CSS properties like 'opacity' and 'fontSize'. It's interesting to note that multi-word CSS properties like 'font-size' are written in camelCase in jQuery.
7. **External Libraries:** The code uses an external jQuery library hosted on Google's servers. This is done using the `<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.4/jquery.min.js"></script>` tag in the head section of the HTML document.

This code provides a good introduction to jQuery animations and event handling, and how they can be used to create interactive elements on a webpage.