

## Assignment-JQuery

(1) What is jQuery?

→ jQuery is a JavaScript library designed to simplify HTML DOM tree traversal and manipulation, as well as event handling, CSS animations, and Ajax.

(2) How to Apply CSS Using JQuery, How to Add Class and Remove Class in JQuery, JQuery Animation?

→

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

<head>

  <meta charset="UTF-8">

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

  <title>Document</title>

  <script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.7.1/jquery.min.js"></script>

  <style>

    .custom {

      background-color: blue;

    }

  </style>

</head>
```

```
<body>

    <!-- <h2 id="Lorem">Lorem ipsum dolor, sit amet</h2> -->
    <p id="Lorem">Lorem ipsum dolor sit amet consectetur adipisicing elit. Modi
libero similique quos veritatis aliquam

        labore mollitia, fugiat accusantium repellat natus! Porro quos nam sunt?
Possimus, ullam cumque deserunt expedita

        veritatis ducimus vero qui? Dolor facilis ducimus nemo reiciendis harum
mollitia facere explicabo obcaecati,

        tempore accusantium officia quos architecto dolore molestiae.</p>

    <button id="color">jQuery</button>

    <button id="jquery-btn-add-class">jQuery Add Class</button>

    <button id="jquery-btn-remove-class">jQuery Remove Class</button>

    <button id="animate">animate</button>

    <div style="background-color:red;height:100px;width:100px;position:
absolute;"></div>

    <script>

        $(document).ready(function editcss() {
            $("#color").click(function () {
                $("h2").css({ backgroundColor: "yellow" });
                $("#Lorem").css({ backgroundColor: "blue" });
            });
        });
```

```

        $("#jquery-btn-add-class").on("click", function () {
$("##Lorem").addClass("custom") })
        $("#jquery-btn-remove-class").on("click", function () {
$("##Lorem").removeClass("custom") })

$(document).ready(function () {
    $("#animate").click(function () {

        var div = $("div");

        div.animate({ height: '300px', opacity: '0.4' }, "slow");
        div.animate({ width: '300px', opacity: '0.8' }, "slow");
        div.animate({ height: '100px', opacity: '0.4' }, "slow");
        div.animate({ width: '100px', opacity: '0.8' }, "slow");

    });

});
</script>
</body>

</html>

```

### (3) How to create slider with animation?



```

<!DOCTYPE html>
<html lang="en">

<head>

    <meta charset="utf-8" />

    <title>Swiper demo</title>

    <meta name="viewport" content="width=device-width, initial-scale=1, minimum-
scale=1, maximum-scale=1" />

```

```
<link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/swiper@11/swiper-bundle.min.css" />
```

```
<style>
```

```
html,
```

```
body {
```

```
    position: relative;
```

```
    height: 100%;
```

```
}
```

```
body {
```

```
    background: #eee;
```

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

```
    font-size: 14px;
```

```
    color: #000;
```

```
    margin: 0;
```

```
    padding: 0;
```

```
}
```

```
.swiper {
```

```
    width: 100%;
```

```
    height: 100%;
```

```
}
```

```
.swiper-slide {
```

```
    text-align: center;
```

```
    font-size: 18px;
```

```
    background: #7d7c7c;
```

```
    display: flex;
```

```
    justify-content: center;
```

```
    align-items: center;
```

```
}
```

```
.swiper-slide img {
```

```
        display: block;
        width: 100%;
        height: 100%;
        object-fit: cover;
    }
</style>
</head>
<body>
    <div class="swiper mySwiper">
        <div class="swiper-wrapper">
            <div class="swiper-slide">Slide 1</div>
            <div class="swiper-slide">Slide 2</div>
            <div class="swiper-slide">Slide 3</div>
            <div class="swiper-slide">Slide 4</div>
            <div class="swiper-slide">Slide 5</div>
            <div class="swiper-slide">Slide 6</div>
            <div class="swiper-slide">Slide 7</div>
            <div class="swiper-slide">Slide 8</div>
            <div class="swiper-slide">Slide 9</div>
        </div>
        <div class="swiper-pagination"></div>
    </div>
    <script src="https://cdn.jsdelivr.net/npm/swiper@11/swiper-
bundle.min.js"></script>
    <script>
        var swiper = new Swiper(".mySwiper", {
            slidesPerView: 4,
            spaceBetween: 30,
            centeredSlides: true,
```

```

        pagination: {
            el: ".swiper-pagination",
            clickable: true,
        },
    });
</script>
</body>
</html>

```

#### (4) Event bubbling tickling example



```

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Event Bubbling</title>
    <style>
        section {
            padding: 20px;
            border: 2px solid red;
            transition: 20s;
        }

        .main {
            border: 2px solid red;
            padding: 18px;
            width: 50%;

```

```
        transition: 15s;
    }

    .min {
        border: 2px solid red;
        padding: 13px 25px;
        transition: 8s;
    }

    ul {
        border: 2px solid red;
        padding: 20px;
        transition: 5s;
    }

    li {
        border: 2px solid red;
        padding: 10px;
        list-style: none;
    }
</style>
</head>
<body>
    <section>
        body
        <div class="main">
            main
            <div class="min">
                min
```

```
        <ul>
            ul
            <li>li</li>
        </ul>
    </div>
</div>
</section>

<script src="https://code.jquery.com/jquery-3.7.1.min.js"
        integrity="sha256-/JqT3SQfawRcv/BIHPThkBs00EvtFFmqPF/lYI/Cxo="
crossorigin="anonymous"></script>
<script>
    $(document).ready(function () {
        $('section').click(function () {
            alert('body is selected')
            $(this).css("background-color", 'gray')
        })

        $('.main').click(function () {
            alert('main is selected')
            $(this).css("background-color", 'orange')
        })

        $('.min').click(function (e) {
            alert('min is selected')
            $('.min').css("background-color", 'skyblue')
        })

        $('ul').click(function () {
```



```
        alert('ul is selected')
        $('ul').css("background-color", 'pink')
    })

    $('li').click(function (e) {
        // e.stopPropagation()
        alert('li is selected')
        $('li').css("background-color", 'yellow')
    })
})
</script>
</body>
</html>
```