

1. what is jQuery?

jQuery is a lightweight, "write less, do more", JavaScript library. The purpose of jQuery is to make it much easier to use JavaScript on your website.

jQuery takes a lot of common tasks that require many lines of JavaScript code to accomplish, and wraps them into methods that you can call with a single line of code.

jQuery also simplifies a lot of the complicated things from JavaScript, like AJAX calls and DOM manipulation.

The jQuery library contains the following features:

1. HTML/DOM manipulation
2. CSS manipulation
3. HTML event methods
4. Effects and animations
5. AJAX

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

1. `addClass()` - Adds one or more classes to the selected elements
2. `removeClass()` - Removes one or more classes from the selected elements
3. `toggleClass()` - Toggles between adding/removing classes from the selected elements
4. `css()` – Sets or returns the style attribute

3. How to create slider with animation?

Step 1: Come up with a strategy for the slider.

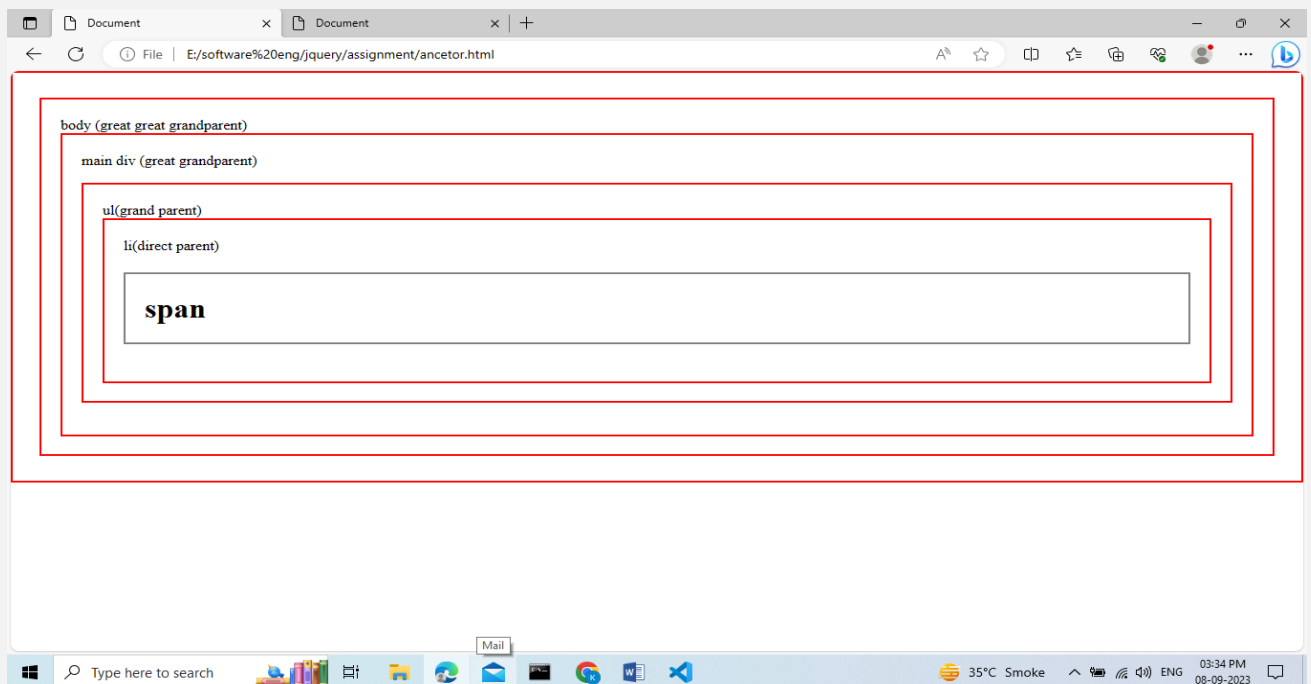
Step 2: Update the background image in each slide.

Step 3: Update the text layers in each slide.

Step 4: Edit the button text and design in each slide.

Step 5: Edit the slider navigation.

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>Document</title>
  <style>
    .main{
      border: 2px solid gray;
      padding: 20px;
    }
  </style>
</head>
<body>
  <div class="main">
    <div class="text">
      <h1>Hello World</h1>
    </div>
  </div>
</body>
</html>
```

```
ul{
    border: 2px solid gray;
    padding: 20px;
}
li{
    border: 2px solid gray;
    padding: 20px;
    list-style: none;
}
h1{
    border: 2px solid gray;
    padding: 20px;
}

.changecss{
    border: 2px solid red;
    padding: 20px;
}
</style>
</head>
<body>
    body (great great grandparent)
    <div class="main">main div (great grandparent)
        <ul>ul(grand parent)
            <li>li(direct parent)
                <h1>span</h1>
            </li>
        </ul>
    </div>

    <script src="./jQuery.js"></script>
    <script>
        $(document).ready(function(){
            $("h1").parents("").addClass("changecss")
        })
    </script>
</body>
</html>
```

