

Module – 5 (jQuery Basic, Effects & Advanced)

1. What is jQuery?

Ans. 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.

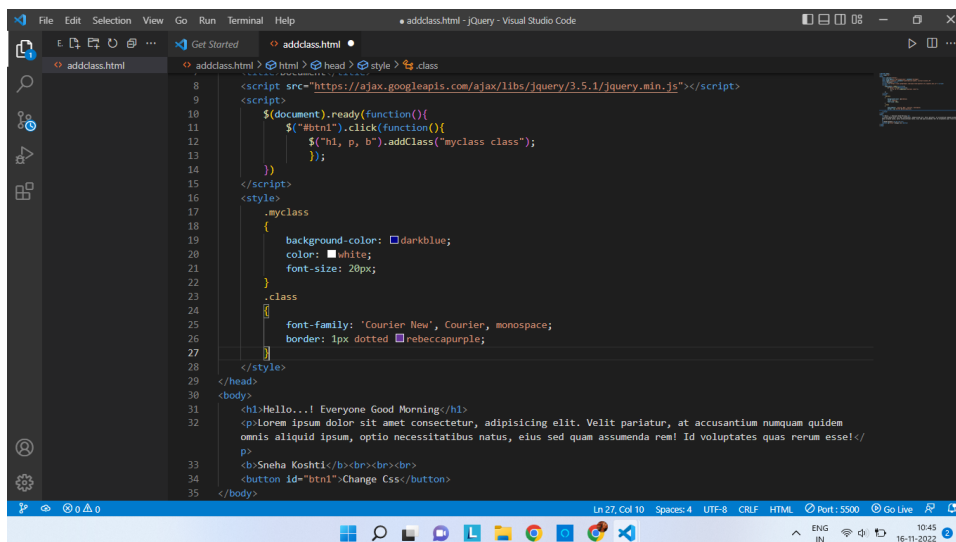
jQuery takes a lot of common tasks that require many lines of JavaScript code to accomplish, and wraps them into methods that you can call with a single line of code.

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

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

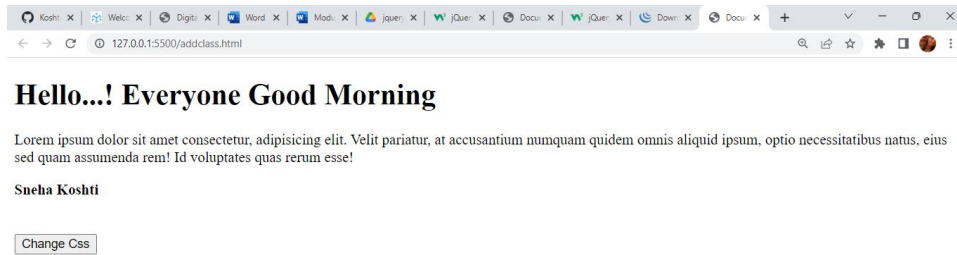
Ans. Add Class :-

Code :

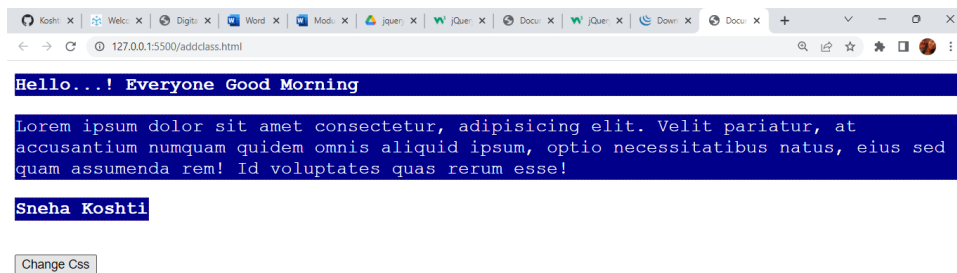
A screenshot of the Visual Studio Code editor interface. The main editor window displays an HTML file named 'addclass.html'. The code includes a script tag for jQuery (version 3.5.1) and a script block that uses jQuery's 'ready' method to attach a click event to a button with the ID 'btn1'. The event handler calls the 'addClass' method to add a class named 'myclass' to the button. A CSS style block defines the 'myclass' with a dark blue background, white text, and a 20px font size. The HTML body contains a heading, a paragraph of Lorem Ipsum, a line break, and the button with the ID 'btn1' and text 'Change Css'. The status bar at the bottom shows the file is in UTF-8 encoding with CRLF line endings, and the port 5500 is open for Live Server. The system tray at the very bottom shows the date and time as 16-11-2022, 10:43.

```
8 <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>
9 <script>
10 $(document).ready(function(){
11     $("#btn1").click(function(){
12         $("h1, p, b").addClass("myclass class");
13     });
14 }
15 </script>
16 <style>
17 .myclass
18 {
19     background-color: darkblue;
20     color: white;
21     font-size: 20px;
22 }
23 .class
24 {
25     font-family: 'Courier New', Courier, monospace;
26     border: 1px dotted rebeccapurple;
27 }
28 </style>
29 </head>
30 <body>
31 <h1>Hello...! Everyone Good Morning</h1>
32 <p>Lorem ipsum dolor sit amet consectetur, adipisicing elit. Velit pariatur, at accusantium numquam quidem
33 omnis aliquid ipsum, optio necessitatibus natus, eius sed quam assumenda rem! Id voluptates quas rerum esse!</
34 p>
35 <b>Sneha Koshti</b><br><br><br>
36 <button id="btn1">Change Css</button>
37 </body>
```

Output :

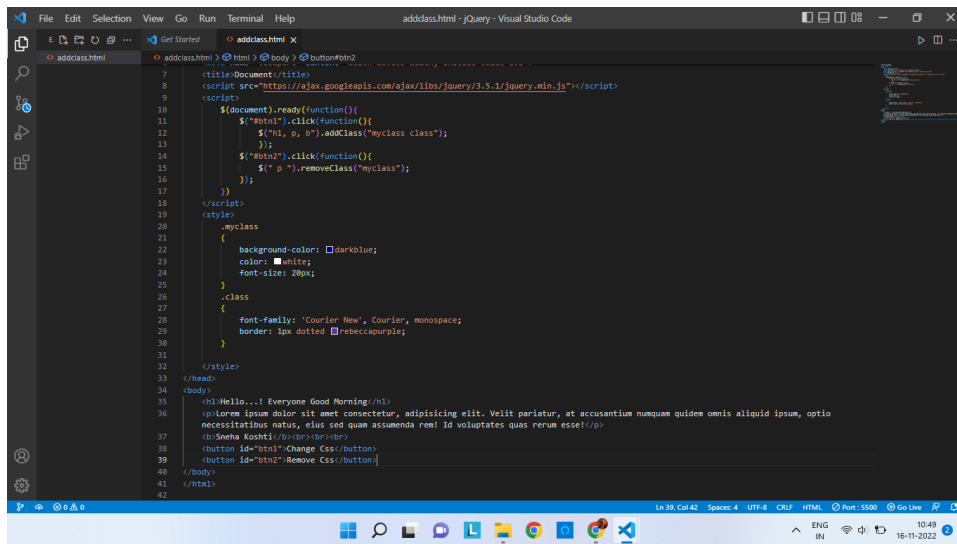


Add Class and change CSS :



Remove Class :-

Code :



```
7 <title>Document</title>
8 <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>
9
10 <script>
11 $(document).ready(function(){
12   $("#btn1").click(function(){
13     $(".m1, p, b").addClass("myclass class");
14   });
15   $("#btn2").click(function(){
16     $(".p").removeClass("myclass");
17   });
18 }
19 </script>
20 <style>
21 .myclass
22 {
23   background-color: #darkblue;
24   color: #white;
25   font-size: 20px;
26 }
27 .class
28 {
29   font-family: 'Courier New', Courier, monospace;
30   border: 1px dotted #rebeccapurple;
31 }
32 </style>
33 </head>
34 <body>
35 <h1>Hello...! Everyone Good Morning</h1>
36 <p>Lorem ipsum dolor sit amet consectetur, adipisicing elit. Velit pariatur, at accusantium numquam quidem omnis aliquid ipsum, optio necessitatibus natus, eius sed quam assumenda rem! Id voluptates quas rerum esse!</p>
37 <div>Sneha Koshti</div>
38 <button id="btn1">Change Css</button>
39 <button id="btn2">Remove Css</button>
40 </body>
41 </html>
```

Output :



Hello...! Everyone Good Morning

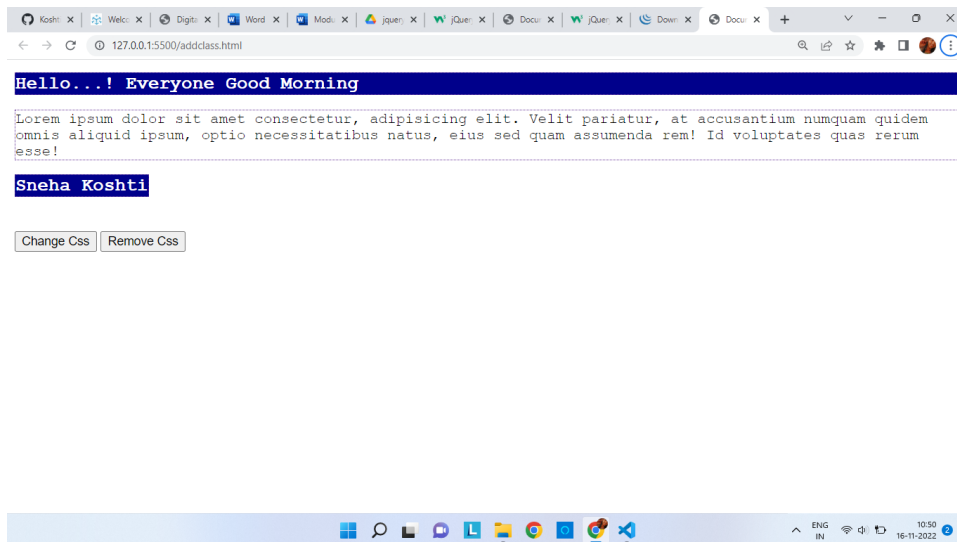
Lorem ipsum dolor sit amet consectetur, adipisicing elit. Velit pariatur, at accusantium numquam quidem omnis aliquid ipsum, optio necessitatibus natus, eius sed quam assumenda rem! Id voluptates quas rerum esse!

Sneha Koshti

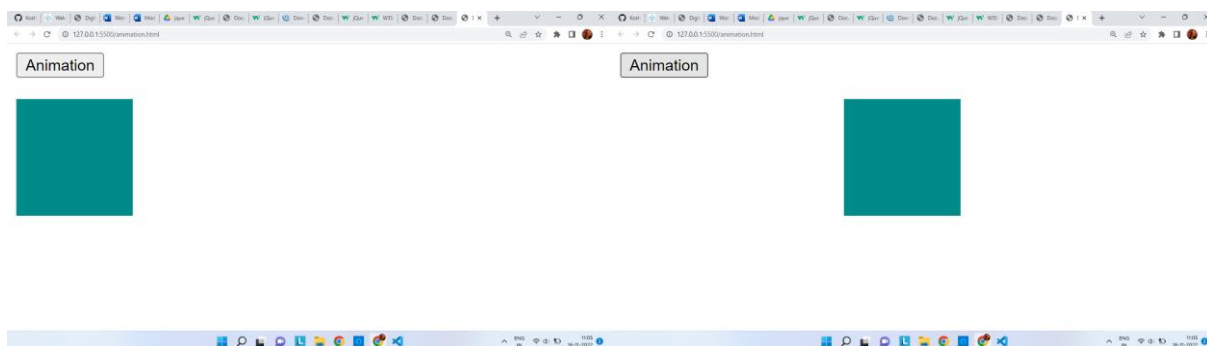
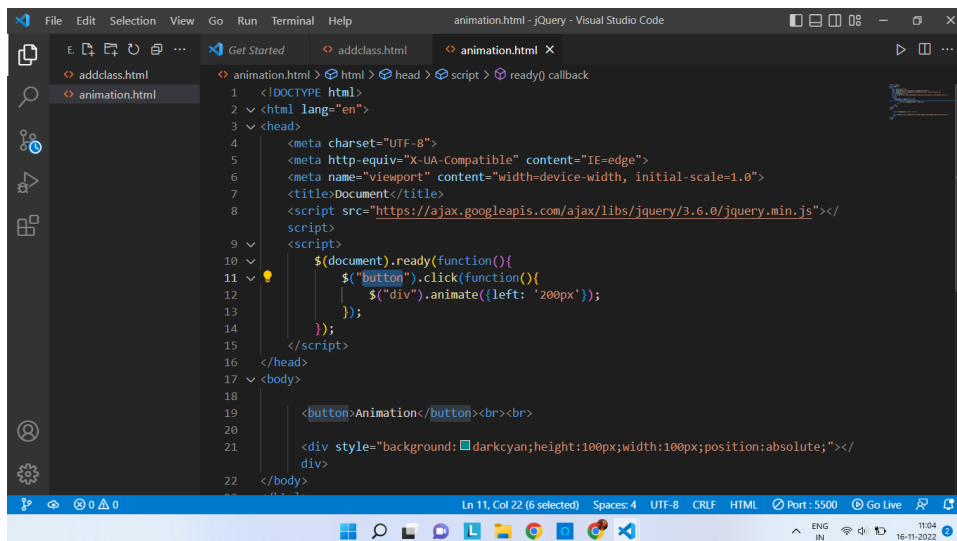
Change Css Remove Css



Remove Class and Remove CSS :



jQuery Animation :



Ans.

