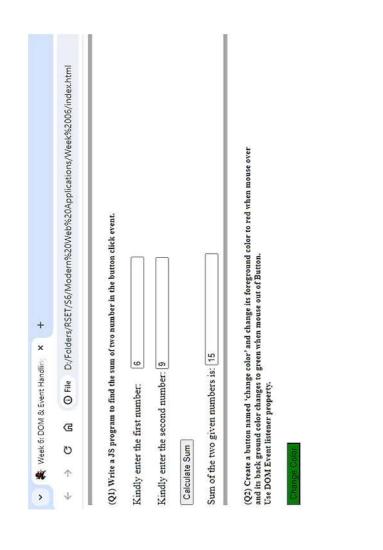
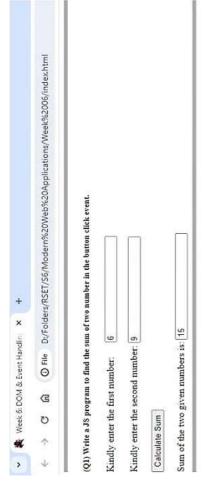
## index.html

```
<h5> (Q2) Create a button named 'change color' and change its foreground color to
                                                                                                                                     <liink rel="icon" href="https://icon-library.com/images/icon-ninja/icon-ninja-15.jpg">
                                                                                                                                                                                                         <hr style="color:darkgrey; width: auto; height: 5px; background-color:darkgrey;">
                                                                                                                                                                                                                                                                                          <label for="fnum">Kindly enter the first number:&nbsp;&nbsp;&nbsp;&nbsp;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   <hr style="color:darkgrey ; width: auto; height: 5px; background-color:darkgrey ;">
                                                                                                                                                                                                                                                .<h5>(Q1) Write a JS program to find the sum of two number in the button click
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    <br/>br>and its back ground color changes to green when mouse out of Button.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    <label for="sumresult">Sum of the two given numbers is: </label>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              document.getElementById("sumresult").value = sumresult;
                                                                                                                                                                                                                                                                                                                                                                              <label for="snum">Kindly enter the second number:</label>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           fnum=Number(document.getElementById("fnum").value)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                const button = document.getElementById('changecolor');
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  snum=Number(document.getElementById("snum").value)
                                                                                                                                                                                                                                                                                                                                                                                                                                                 <br />
<br />
<br />
dutton onclick="sum()">Calculate Sum </button><br>
<br />
button><br />
br>
<br />
br>
                                                                                                                                                                                                                                                                                                                                                                                                      <input type="text" id="snum" name="snum"><br><br><</pre>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 button.addEventListener('mouseover', function(){
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            <input type="text" id="sumresult" name="sumresult">
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  button.addEventListener('mouseout', function(){
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          <br>\br>\Use DOM Event listener property.</h5>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         // Event listeners for mouseover and mouseout
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       button.style.backgroundColor = bgColor;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            button.style.backgroundColor = bgColor;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     <button id="changecolor">Change Color</button>
                                                                                                                                                                                                                                                                                                                               <input type="text" id="fnum" name="fnum">
                                                                                                                 <title>week 6: DOM & Event Handling</title>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 button.style.color = textColor;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    button.style.color = textColor;
                                                                                                                                                                                                                             <div style="text-align: justify;">
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         <div style="text-align: justify;">
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              // JavaScript to change colors
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         var fnum, snum, sumresult;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            sumresult = fnum + snum;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         textColor = 'black';
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      textColor = 'red';
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            bgColor = 'white';
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   function sum(){
                                                                  <meta charset="UTF-8">
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                red when mouse over
                                              <meta lang="en">
<!DOCTYPE html>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         </script>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                <script>
                                                                                                                                                                                                                                                                      event.</h5>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             </pod/>
                                                                                                                                                            </head>
                                                                                                                                                                                                                                                                                                            /label>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  </html>
                       <html>
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                                                                                                                                                                              9
11
11
12
                                                                                                             9 / 8
                                                                                                                                                                                                                                                                                          13
                                                                                                                                                                                                                                                                                                                               14
115
116
117
118
20
20
22
22
22
23
24
```





(Q2) Create a button named 'change color' and change its foreground color to red when mouse over and its back ground color changes to green when mouse out of Button. Use DOM Event listener property.

