index.html

```html
1  <!DOCTYPE html>
2  <html>
3  <meta lang="en">
4  <meta charset="UTF-8">
5  <head>
6      <title>Week 6: DOM & Event Handling</title>
7      <link rel="icon" href="https://icon-library.com/images/icon-ninja/icon-ninja-15.jpg">
8  </head>
9  <body>
10     <hr style="color:darkgrey ; width: auto; height: 5px; background-color:darkgrey ;">
11     <div style="text-align: justify;">
12     <h5>(Q1) Write a JS program to find the sum of two number in the button click
   event..</h5>
13     <label for="fnum">Kindly enter the first number:     <
   /label>
14     <input type="text" id="fnum" name="fnum">
15     <br><br>
16     <label for="snum">Kindly enter the second number:</label>
17     <input type="text" id="snum" name="snum"><br><br>
18     </div>
19     <button onclick="sum()">Calculate Sum </button><br><br>
20     <label for="sumresult">Sum of the two given numbers is: </label>
21     <input type="text" id="sumresult" name="sumresult">
22     <hr style="color:darkgrey ; width: auto; height: 5px; background-color:darkgrey ;">
23     <div style="text-align: justify;">
24     <h5> (Q2) Create a button named 'change color' and change its foreground color to
   red when mouse over
25     <br>and its back ground color changes to green when mouse out of Button.
26     <br>Use DOM Event listener property.</h5>
27     </div>
28     <button id="changecolor">Change Color</button>
29     <script>
30         function sum(){
31             var fnum,snum,sumresult;
32             fnum=Number(document.getElementById("fnum").value)
33             snum=Number(document.getElementById("snum").value)
34             sumresult = fnum + snum;
35             document.getElementById("sumresult").value = sumresult;
36         }
37         // JavaScript to change colors
38         const button = document.getElementById('changecolor');
39         // Event listeners for mouseover and mouseout
40         button.addEventListener('mouseover', function(){
41             textColor = 'red';
42             bgColor = 'white';
43             button.style.color = textColor;
44             button.style.backgroundColor = bgColor;
45         });
46         button.addEventListener('mouseout', function(){
47             textColor = 'black';
48             bgColor = 'green';
49             button.style.color = textColor;
50             button.style.backgroundColor = bgColor;
51         });
52     </script>
53 </body>
54 </html>
```


Week 6: DOM & Event Handling

File D:/Folders/RSET/S6/Modern%20Web%20Applications/Week%2006/index.html

(Q1) Write a JS program to find the sum of two number in the button click event.

Kindly enter the first number: 6

Kindly enter the second number: 9

Calculate Sum

Sum of the two given numbers is: 15

(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.

Change Color

Week 6: DOM & Event Handling

File D:/Folders/RSET/S6/Modern%20Web%20Applications/Week%2006/index.html

(Q1) Write a JS program to find the sum of two number in the button click event.

Kindly enter the first number: 6

Kindly enter the second number: 9

Calculate Sum

Sum of the two given numbers is: 15

(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.

Change Color