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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:&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;<
/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>

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