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1  <!DOCTYPE html>
2  <html lang="en">
3
4      <head>
5          <meta charset="utf-8">
6          <title>CNIT133 Homework 2 Part II</title>
7      <!-- This is webpage that contains links to CNIT 133 Homework 2 - Basic Operations -->
8          <meta name="description" content="This is homework 2 Part 2 to show JS code into
          innerHTML property
          that computes sum, average, product, min and max using fade in and fade out
          function from ajax">
9
10
11      <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.7.0/jquery.min.js"
12      ></script>
13      <script>
14          $(document).ready(function() {
15              var resultTextArea = $("#result");
16              var form2Button = $("#form2");
17              var clearButton = $("#clear");
18              var isFaded = false;
19
20              form2Button.click(function() {
21                  if (!isFaded) {
22                      resultTextArea.fadeOut(1000, function() {
23                          // display "New set of result was executed"
24                          resultTextArea.val("New set of result was executed");
25                          resultTextArea.css("color", "");
26                          resultTextArea.fadeIn(1000, function() {
27                              // after fading in, trigger form2 function
28                              form2();
29                          });
30                      });
31                  } else {
32                      resultTextArea.fadeOut("slow", function() {
33                          // clear the textarea and remove the fade
34                          resultTextArea.css("opacity", 1);
35                          resultTextArea.val("");
36                          isFaded = false;
37                      });
38                  }
39              });
40
41              clearButton.click(function() {
42                  resultTextArea.fadeIn(100, function() {
43                      setTimeout(function() {
44                          // display "You have successfully cleared the form"
45                          resultTextArea.val("You have successfully cleared the form");
46                          resultTextArea.css("color", "");
47                          // after a short delay, fade out the message and clear textarea
48                          // content
49                          resultTextArea.fadeOut(1500, function() {
50                              // after fading out, clear the textarea content and show textarea
51                              resultTextArea.val("");
52                              resultTextArea.fadeIn(200);
53                              isFaded = false;
54                          });
55                      }, 200); // adjust the delay duration
56                  });
57              });
58
59              function form2() {
60                  var number1 = document.getElementById("input1").value;
61                  var number2 = document.getElementById("input2").value;
62                  var number3 = document.getElementById("input3").value;
63
64                  var num1 = parseInt(number1);
65                  var num2 = parseInt(number2);

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64     var num3 = parseInt(number3);
65
66     if (// if input is empty after clicking submit
67         (number1 === "" || number2 === "" || number3 === "")
68     ) {
69         resultTextArea.val("Please enter into all the input fields!");
70         resultTextArea.css("color", "red");
71         resultTextArea.css("font-weight", "bold");
72     } else if ( // if input has NaN
73         (!Number.isInteger(num1) || !Number.isInteger(num2) || !Number.isInteger(num3)
74         )) {
75         resultTextArea.val("Please make sure to enter integer numbers only!");
76         resultTextArea.css("color", "red");
77         resultTextArea.css("font-weight", "bold");
78     } else { // computation of sum, average, product, min and max
79         var sumnum = num1 + num2 + num3;
80         var average = sumnum / 3;
81         var product = num1 * num2 * num3;
82         var smallest = Math.min(num1, num2, num3);
83         var largest = Math.max(num1, num2, num3);
84
85         var form2Result = "Results from form2 function";
86         resultTextArea.val(form2Result);
87
88         var line1, line2, line3, line4, line5, line6, tab;
89         tab = " "
90         line1 = ` The inputted numbers: ${num1}, ${num2}, ${num3}`;
91         line2 = `${tab}The sum of the numbers: ${sumnum}`;
92         line3 = `${tab}The average of the numbers: ${average.toFixed(2)} `;
93         line4 = `${tab}The product of the integers: ${product}`;
94         line5 = `${tab}The min of the numbers: ${smallest}`;
95         line6 = `${tab}The max of the numbers: ${largest}`;
96         var resultText = "\n" + line1 + "\n" + line2 + "\n" + line3 + "\n" + line4 +
97         "\n" + line5 + "\n" + line6;
98         resultTextArea.val(resultText);
99         // change font to default if red text exist from prior condition
100        resultTextArea.css("color", "");
101        resultTextArea.css("font-weight", "");
102    }
103    });
104    </script>
105    <style>
106        .button-two {
107            width: 150px; background-color: #417bcb; border-radius: 20px; color:
108            white;
109            font-size: 22px; margin: 34px 3px; cursor: pointer; display:
110            inline-block;
111            padding: 10px; text-decoration: none; overflow: hidden;
112        }
113        .button-two:hover,
114        .button-two:focus {
115            background-color: #e33c3c; border-color: #1d0e6b /* changes colors as
116            user move mouse */
117        }
118        footer {
119            border: 2px solid #e20707; background-color: #cccccc67
120        }
121        .footer-text-container { /*footer*/
122            display: flex; align-items: center; /* vertically center items */
123        }
124        .footer-text-container img {
125            max-width: 100%; margin-right: 10px /*space between image and text */
126        }
127        .header-background {
128            background-color: #e33c3c; text-align: center;

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126     }
127     .header-container { /*header/top most */
128         display: flex;
129         align-items: center; /* vertically center items */
130         justify-content: space-between; /* push items to edges */
131     }
132     .header-text {
133         color:#417bcb; font-size: 55px;
134         flex: 0 0 85%; /* set text to 85% available page width */
135         text-decoration: none;
136     }
137     .header-text:hover {
138         color: white ; /* changes colors as user move mouse */
139     }
140     .hwk2box-box {
141         background-color: #e33c3c; height: 250px; padding: 20px;
142         display: flex;
143         align-items:center; /* vertically center align content */
144         justify-content: center; /* horizontally center align content */
145     }
146     .hwk2box {
147         border: #1d0e6b; height: 100%; width: 800px;
148         background-color: white; padding-top :17px; padding-bottom: 17px;
149         text-align:center; display: flex;
150         align-items:center; /* vertically center align content */
151         justify-content: center; /* horizontally center align content */
152     }
153     .right-image {
154         max-width: 100%; /* push image to right */
155     }
156     .right-text {
157         text-align: right; /* align text to the right */
158     }
159     .rounded-image { /*photo*/
160         border-radius:50% /* round photo image */
161     }
162     .solution-box {
163         border: 2px solid #e20707; padding: 0; margin: 0; display: flex;
164         flex-direction: column;
165         align-items: center; text-align: center;
166         height: 70vh;
167     }
168     .solution-box header {
169         width: 100%; padding: 10px; color:brown;
170     }
171     .solution-frame {
172         width: 80%; display: flex;
173         flex-grow: 1; /* allow to grow and fill available verticle space */
174         justify-content: center; align-items: center;
175         margin: 0 auto; /* center solution-frame within solution box */
176     }
177     .solution-frame iframe {
178         width:180%; height: 100%;
179     }
180     .submenu-container {
181         background-color: black; text-align: center; margin: 0;
182         display: flex;
183         align-items:center; /* vertically center align content */
184         justify-content: center; /* horizontally center align content */
185     }
186 </style>
187
188 </head>
189
190 <body >
191     <header class = "header-background">
192         <div class="header-container">

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193         <a href="hw2.html" target="_self" class="header-text">CNIT 133 Homework
194         2 - Basic Operations</a>
195     </figure>
196     <a href="https://www.ccsf.edu/" target="_self">
197     
199     </a>
200 </figure>
201 </div>
202 </header>
203
204 <div class="submenu-container">
205     <nav>
206     <a href="hw2-description.html" target="_self" class="button-two">Description
207     </a>
208     <a href="hw2-part1.html" target="_self" class="button-two">Part I</a>
209     <a href="hw2-part2.html" target="_self" class="button-two">Part II</a>
210     <a href="hw2-extra-credit.html" target="_self" class="button-two">Extra
211     Credit</a>
212     </nav>
213 </div>
214
215 <div class="hwk2box-box">
216     <div >
217     <div class="hwk2box">
218     <form id="part2form">
219     <table>
220     <tr>
221     <td><label for="input1">First Number</label></td>
222     <td><input type="text" id="input1" size="20"></td>
223     </tr>
224     <tr>
225     <td><label for="input2">Second Number</label></td>
226     <td><input type="text" id="input2" size="20"></td>
227     </tr>
228     <tr>
229     <td><label for="input3">Third Number</label></td>
230     <td><input type="text" id="input3" size="20"></td>
231     </tr>
232     </table>
233
234     Results
235     <textarea rows="8" cols="40" id="result" readonly></textarea>
236     <input type="button" id="form2" value="SUBMIT">
237     <input type="reset" id="clear" value="RESET">
238     </form>
239     </div>
240 </div>
241 </div>
242
243 <div class="solution-box">
244     <header>
245     <h2>Homework 2 Part II Code Solution</h2>
246     </header>
247     <div class="solution-frame">
248     <iframe src="hw2pt2.pdf"></iframe>
249     </div>
250     <br><br>
251 </div>
252
253 <footer>
254     <br>
255     <figure>
256     <div class="footer-text-container">
257     
258     <p>Teresita Anselm<br>
259     City College of San Francisco<br>

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```
256         tanselm@mail.ccsf.edu<br></p>
257     </div>
258 </figure>
259 <p class="right-text">Copyright of Teresita Anselm &copy; 2023</p>
260 </footer>
261
262 </body>
263 </html>
```