```html
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
9            that computes sum, average, product, min and max using fade in and fade out
             function from ajax">
10
11           <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.7.0/jquery.min.js"
             ></script>
12           <script>
13           $(document).ready(function() {
14           var resultTextArea = $("#result");
15           var form2Button = $("#form2");
16           var clearButton = $("#clear");
17           var isFaded = false;
18
19           form2Button.click(function() {
20               if (!isFaded) {
21                   resultTextArea.fadeOut(1000, function() {
22                   // display "New set of result was executed"
23                   resultTextArea.val("New set of result was executed");
24                   resultTextArea.css("color", "");
25                   resultTextArea.fadeIn(1000, function() {
26                   // after fading in, trigger form2 function
27                   form2();
28                   });
29               });
30               } else {
31                   resultTextArea.fadeOut("slow", function() {
32                   // clear the textarea and remove the fade
33                   resultTextArea.css("opacity", 1);
34                   resultTextArea.val("");
35                   isFaded = false;
36                   });
37               }
38           });
39
40           clearButton.click(function() {
41               resultTextArea.fadeIn(100, function() {
42                   setTimeout(function() {
43                       // display "You have successfully cleared the form"
44                       resultTextArea.val("You have successfully cleared the form");
45                       resultTextArea.css("color", "");
46                       // after a short delay, fade out the message and clear textarea
                        content
47                       resultTextArea.fadeOut(1500, function() {
48                       // after fading out, clear the textarea content and show textarea
49                       resultTextArea.val("");
50                       resultTextArea.fadeIn(200);
51                       isFaded = false;
52                       });
53                   },200); // adjust the delay duration
54               });
55           });
56
57           function form2() {
58           var number1 = document.getElementById("input1").value;
59           var number2 = document.getElementById("input2").value;
60           var number3 = document.getElementById("input3").value;
61
62           var num1 = parseInt(number1);
63           var num2 = parseInt(number2);
```

```
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              ))
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 +
                 "\n" + line5 + "\n" + line6;
97              resultTextArea.val(resultText);
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         });
105         </script>
106         <style>
107             .button-two {
108                 width: 150px; background-color: #417bcb; border-radius: 20px; color:
                    white;
109                 font-size: 22px; margin: 34px 3px; cursor: pointer; display:
                    inline-block;
110                 padding: 10px; text-decoration: none; overflow: hidden;
111             }
112             .button-two:hover,
113             .button-two:focus {
114                 background-color: #e33c3c; border-color: #1d0e6b  /* changes colors as
                    user move mouse */
115             }
116             footer {
117                 border: 2px solid #e20707;   background-color:#cccccc67
118             }
119             .footer-text-container { /*footer*/
120                 display:flex; align-items:center; /* vertically center items */
121             }
122             .footer-text-container img {
123                 max-width:100%; margin-right:10px  /*space between image and text */
124             }
125             .header-background {
```

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

```html
                    <div class="header-container">
                        <a href="hw2.html" target="_self" class="header-text">CNIT 133 Homework
                            2 - Basic Operations</a>
                        <figure>
                        <a href="https://www.ccsf.edu/" target="_self">
                        <img src="ccsf_ram.gif" alt="ccsf ram logo" width="139" class=
                            "right-image">
                        </a>
                        </figure>
                    </div>
                </header>

                <div class="submenu-container">
                    <nav>
                    <a href="hw2-description.html" target="_self" class="button-two">Desciption
                        </a>
                    <a href="hw2-part1.html" target="_self" class="button-two">Part I</a>
                    <a href="hw2-part2.html" target="_self" class="button-two">Part II</a>
                    <a href="hw2-extra-credit.html" target="_self" class="button-two">Extra
                        Credit</a>
                    </nav>
                </div>

                <div class="hwk2box-box">
                    <div >
                    <div class="hwk2box">
                        <form id="part2form">
                            <table>
                                <tr>
                                    <td><label for="input1">First Number</label></td>
                                    <td><input type="text" id="input1" size="20"></td>
                                </tr>
                                <tr>
                                    <td><label for="input2">Second Number</label></td>
                                    <td><input type="text" id="input2" size="20"></td>
                                </tr>
                                <tr>
                                    <td><label for="input3">Third Number</label></td>
                                    <td><input type="text" id="input3" size="20"></td>
                                </tr>
                            </table>

                            Results
                            <textarea rows="8" cols="40" id="result" readonly></textarea>
                            <input type="button" id="form2" value="SUBMIT">
                            <input type="reset" id="clear" value="RESET">
                        </form>
                    </div>
                    </div>
                </div>

                <article class="solution-box">
                    <header>
                        <h2>Homework 2 Part II Code Solution</h2>
                    </header>
                    <div class="solution-frame">
                    <iframe src="hw2pt2.pdf"></iframe>
                    </div>
                    <br><br>
                </article>

                <footer>
                    <br>
                    <figure>
                    <div class="footer-text-container">
                        <img src="op.jpg" alt="self" width="80" class="rounded-image">
                        <p>Teresita Anselm<br>
```

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