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1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <title>CNIT133 Homework 4 Description</title>
6      <meta name="description" content="This is homework 4 Description to show the
7      description of preceding parts">
8      <link rel="stylesheet" type="text/css" href="hw4style.css">
9      <script src="https://code.jquery.com/jquery-3.6.0.js"></script>
10     <script src=
11     "https://cdnjs.cloudflare.com/ajax/libs/jquery-validate/1.19.3/jquery.validate.min.js
12     "></script>
13     <!--script src="dummy.js"></script-->
14 </head>
15 <body>
16     <header class="header-background">
17         <div class="header-container">
18             <a href="hw4.html" target="_self" class="header-text">CNIT 133 Homework 4 -
19             Looping Statements</a>
20             <figure>
21                 <a href="https://www.ccsf.edu/" target="_self">
22                     
24                 </a>
25             </figure>
26         </div>
27     </header>
28     <div class="submenu-containerDesc">
29         <nav>
30             <a href="hw4-description.html" target="_self" class="button-two">Description
31             </a>
32             <a href="hw4-part1.html" target="_self" class="button-two">Part I</a>
33             <a href="hw4-part2.html" target="_self" class="button-two">Part II</a>
34             <a href="hw4-extra-credit.html" target="_self" class="button-two">Extra
35             Credit</a>
36         </nav>
37     </div>
38     <div class="hwkptEboxBox">
39         <div>
40             <header class="title">Extra Credit: Generate Square using Asterisks</header>
41             <div class="hwkptEbox">
42                 <form class="asteriskBox" id="asteriskSquareForm">
43                     <div>
44                         <label for="userInput">Enter a number between 2-10:</label>
45                         <input type="text" id="userInput" name="userInput" placeholder=
46                         "Enter here">
47                     </div>
48                     <div>
49                         <input class="button-two" type="button" value="Submit" id=
50                         "submit">
51                         <input class="button-two" type="reset" value="Reset" id="reset">
52                     </div>
53                 </form>
54                 <div id="asteriskSquareResult"></div>
55             </div>
56         </div>
57     </div>
58     <article class="solution-box">
59         <header>
60             <h2>Homework 4 Extra Credit Code Solution</h2>
61         </header>
62         <div class="solution-frame">

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59         <iframe src="hw4extra.pdf"></iframe>
60     </div>
61     <br><br>
62 </article>
63
64 <footer>
65     <br>
66     <figure>
67         <div class="footer-text-container">
68             
69             <p>Teresita Anselm<br>
70             City College of San Francisco<br>
71             tanselm@mail.ccsf.edu<br></p>
72         </div>
73     </figure>
74     <p class="right-text">Copyright of Teresita Anselm &copy; 2023&nbsp;</p>
75 </footer>
76
77 <script>
78     // Validate input
79     $(document).ready(function() {
80         // Validation using jQuery Validation Plugin
81         $("#asteriskSquareForm").validate({
82             rules: {
83                 userInput: {
84                     required: true,
85                     number: true,
86                     range: [2,10]
87                 }
88             },
89             messages: {
90                 userInput: {
91                     required: "Please enter a number between 2-10!",
92                     number: "Please enter numerical values only!",
93                     range: "Please enter values 2-10 only!"
94                 }
95             },
96             submitHandler: function(form) {
97                 // When form is valid, call CreateBox function to create asterisk box
98                 const userInput = parseInt($("#userInput").val());
99                 const boxHtml = createBox(userInput);
100                 $("#asteriskSquareResult").html(boxHtml);
101             }
102         })
103     })
104
105     function createBox(number) {
106         console.log("Creating box for number: " + number); // Log the number we're creating
107         // a box for
108         let result = '';
109         for (let row = 0; row < number; row++) {
110             for (let column = 0; column < number; column++) {
111                 if (row === 0 || row === (number - 1) || column === 0 || column === (number -
112                     1)) {
113                     result += '* '; // * for the first and last columns and the top and
114                     bottom rows
115                 } else {
116                     result += '&nbsp;&nbsp;'; // Empty space inside the box
117                 }
118             }
119             result += '<br>'; // Move to the next line
120         }
121         console.log("Result: " + result); // Log the resulting box
122         return result;
123     }

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123     });  
124     </script>  
125  
126     </body>  
127     </html>
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