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1  <!-- Javascript: The function LetterSurround(str) needs to find out if the string passed is an
2  acceptable sequence by either returning true or false. The string parameter will be composed of
3  + and = symbols with several characters between them. For the string to be true each letter
4  must be surrounded by + symbol. Test Cases: The string will not be empty and will have at
5  least one letter. -->
6
7  <!DOCTYPE html>
8  <html>
9  <head>
10     <meta charset="UTF-8">
11     <meta http-equiv="X-UA-Compatible" content="IE=edge">
12     <meta name="viewport" content="width=device-width, initial-scale=1.0">
13     <title>String validation</title>
14     <!-- Simple front end -->
15     <h1>String validation</h1>
16     <p>Input string : <input type="text" id="str1"></p>
17     <button onclick="caller()">Click</button>
18     <p>Output : <span id="str2">???</span></p>
19  </head>
20  <body>
21     <script>
22         function LetterSurround(str)
23         {
24             //Invalid conditions
25             if(str=="") return "INVALID BRO";
26             if(str[0]>='a' || str[str.length-1]>='a'||str[0]=='='||str[str.length-1]=='=')
27                 return false;
28             for(i=1;i<str.length-1;i++)
29             {//Find matching +`s
30                 if(str[i]>'a')
31                 {
32                     if(str[i-1]!='+'||str[i+1]!='+')
33                         return true;
34                 }
35             }
36             //If no match retrun false
37             return false;
38         }
39         function caller()
40         {//Get input - call function - return to HTML for output
41         str=document.getElementById('str1').value;
42         document.getElementById('str2').innerHTML=LetterSurround(str);
43         }
44     </script>
45  </body>
46  </html>
47
```