

personal-website/projects/prog10/keypress.html

```
1  <!--
2      Name: Kevin Blinn
3      Class: CPSC 3750
4      Date Due: June 29th, 2024
5      Assignment: Prog10 – Key Press
6  -->
7
8  <!DOCTYPE html>
9
10 <html lang="en">
11   <head>
12     <script src="/personal-website/load-navbar.js" defer></script>
13     <link href="/personal-website/navStyle.css" rel="stylesheet" type="text/css">
14     <link href="prog10.css" rel="stylesheet" type="text/css">
15     <title>Displaying Keypresses</title>
16     <script type="text/javascript">
17       function displayKey(e) {
18         // which key was pressed?
19         if (e.keyCode) {
20           var keycode=e.keyCode;
21         } else {
22           var keycode=e.which;
23         }
24         character=String.fromCharCode(keycode);
25
26         // Convert vowels to uppercase
27         if (character == 'a' || character == 'e' || character == 'i' || character ==
28         'o' || character == 'u') {
29           character = character.toUpperCase();
30
31         // Change the color of the page based on the color
32         var changeColorKey = character.toLowerCase();
33         switch(changeColorKey) {
34           // CASE: r || R = red
35           case 'r':
36             document.body.style.color = 'white';
37             document.body.style.backgroundColor = 'red';
38             break;
39
40           // CASE: g || G = green
41           case 'g':
42             document.body.style.color = 'white';
43             document.body.style.backgroundColor = 'green';
44             break;
45
46           // CASE: b || B = blue
47           case 'b':
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48         document.body.style.color = 'white';
49         document.body.style.backgroundColor = 'blue';
50         break;
51     }
52
53     // find the object for the destination paragraph
54     var keysParagraph = document.getElementById('keys');
55
56     // add the character to the paragraph
57     keysParagraph.innerHTML += character;
58 }
59 </script>
60 </head>
61 <body onkeypress="displayKey(event)">
62
63     <!-- Navbar Placeholder -->
64     <header>
65         <div id="navbar-placeholder"></div>
66     </header>
67
68     <!-- Main Content -->
69     <div class = "main">
70         <h1>Displaying Typed Characters</h1>
71         <p>This document includes a simple script that displays
72         the keys you type as a new paragraph below. Type a few keys
73         to try it. </p>
74         <div id="keys"></div>
75     </div>
76
77 </body>
78 </html>
79
```