

Assignment 5: PHP 1

Introduction: Using the calendar code at <https://github.com/d-retterer/nc2017> as a model write your own version of Calendar. Any indication of copy/paste from my code to yours will result in a major deduction.

Narrative: I recreated the calendar shown in class mostly with `for` loops and inline CSS formatting. By manipulating the way that the table rows begin and end, it is possible to create a decent-looking table that mimics the appearance of a calendar. I set up a `for` loop that iterated through 31 days, creating a `<td>` that contained the iteration number. Each iteration number was formatted with inline CSS, since I was having issues using a separate CSS file in my program. At every seventh number, the table row was ended with a `</tr>` tag, and another was begun with a new `<tr>`.

Default Table setup

1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

Table Starts on Wednesday

			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

I also added a second calendar to the webpage, which displays the ability of the calendar to start on a day other than Sunday. In this case, it starts on Wednesday. By adding a variable (which I called `$offset`), blank days are added to the beginning of the first week. The method for checking the end-of-week day is also altered to account for this, as shown. This allows the calendar to start the next

```
if ($i % 7 == $offset + 1) {
    echo "</tr><tr>";
}
```

week where appropriate, rather than always placing seven listed days in a row.

Reflection: Aside from some difficulties accessing my domain, creating the program itself ran smoothly. I was unable to format `<td>` tag data with external CSS, but inline CSS seemed to work fine. It certainly reduced the readability of the program, but it worked properly. Otherwise, the individual components of PHP and HTML worked as intended. I believe that this was a useful exercise since it showed the way that CSS, PHP, and HTML can all work together to create simple designs.

Index.php

```
<!DOCTYPE html>
```

```
<!--
```

```
To change this license header, choose License Headers in Project Properties.
```

```
To change this template file, choose Tools | Templates
```

```
and open the template in the editor.
```

```
-->
```

```
<html>
```

```

<head>
    <meta charset="UTF-8">
    <title>Calendar</title>
</head>
<body>
    Default Table setup
    <table>
        <?php
            for ($j = 0; $j < 7; $j++) {
                echo "<th>";
            }
            echo "<tr>";
            for($i = 1; $i <= 31; $i++) {
                echo "<td style='text-align:center; background-
color:lightgreen; width:20px; height:20px; border:1px solid
black;'>".$i."</td>";
                if ($i % 7 == 0) {
                    echo "</tr><tr>";
                }
            }
            echo "</tr>"
        ?>
    </table>

    <br>Table Starts on Wednesday
    <table>
        <?php
            $offset = 3;
            for ($j = 0; $j < 7; $j++) {
                echo "<th>";
            }

            echo "<tr>";

            for ($k = 0; $k < $offset; $k++) {
                echo "<td>." ".".</td>";
            }

            for($i = 1; $i <= 31; $i++) {
                echo "<td style='text-align:center; background-
color:lightgreen; width:20px; height:20px; border:1px solid
black;'>".$i."</td>";
                if ($i % 7 == $offset + 1) {
                    echo "</tr><tr>";
                }
            }
            echo "</tr>"
        ?>
    </table>
</body>
</html>

```