

PHP Calendar

Introduction:

Instructions: 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.

Submit a paper in pdf form that describes your experience and your product with narrative, code and screen shots.

My Program:

I wrote a very simple calendar that will display the month based on the month and year values passed in. The calendar itself is pretty basic, I did add a hover over the table data so that when you move your mouse over a certain day it changes to grey instead of plain old white, and I aligned the text to the left like it's supposed to be on a calendar. I used the PHP methods for both the Gregorian and Julian calendars in my code, and a table around them to give the look of a calendar like we did in class.

March 2017

			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	

Discussion:

I rather like PHP, I thought that it was extremely interesting how there are no data types, because I've never seen that from any other programming language. I also like how you can just put HTML in wherever you need it with an echo. It's useful to be able to use things like loops in HTML, I wasn't aware that there was anything that would let you use that. (see code below!)

```
<?php
$Months = 'March';
$Year = 2017;
echo '<h1>'.$Months.'" ".$Year.'</h1>';
calendar(3, 2017);
```

```
function calendar($Month, $Year) {
    $JulianDate = gregoriantojd($Month, 1, $Year);
    $startDay = jddayofweek($JulianDate);
    $numDays = cal_days_in_Month(CAL_GREGORIAN, $Month,
$Year);

    echo '<table>', '<tr>';
    for ($i = 0; $i < $startDay; $i++) {
        echo '<td>' . " " . '</td>';
    }
    $currentDay = $startDay;
    for ($i = 1; $i <= $numDays; $i++) {
        echo '<td>' . $i . '</td>';
        $currentDay++;
        if ($currentDay % 7 == 0) {
            echo '</tr>';
            echo '<tr>';
        }
    }
    echo '</tr>', '</table>';
}      ?>
```

```
CSS:td{
    border: 1px solid black;
    height: 50px;
    width: 50px;
    text-align: left;
    margin: 0px;
    vertical-align: text-top;
}
td:hover{
    background-color: grey;
}
```