PHP 1 - Calendar

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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 started this project with finding out how to get the day and time to use in the calendar program. In this project, I used the gmnktime function in php to find what day the month starts on. Gmnktime return a Unix value which I then pass to the gmstrgttime function which is then exploded into a list. The list is separated into month (which is a numerical value of the month), year (4 digit long year value), month_name(String value of the month name), and weekday(the numerical value of the start day, Sunday = 0, Monday = 1, etc…).

```php
$first_of_month = gmmktime(0, 0, 0, $month, 1, $year);

list($month, $year, $month_name, $weekday) =
explode(',', gmstrftime('%m, %Y, %B, %w',
$first_of_month));
```

The next part of the project sets up two different tables which have the month and year, and then the next table that has the weekdays listed out each one abbreviated(sun, mon, tues…). This html code was from an online example. The final part of the project sets up a final table that holds the date values.

```php
echo "<table width='280' border='1'>";

        echo "<tr>";

        echo "<td align='center'>$month_name
$year </td>";

        echo "</tr>";

        echo "<tr>";

          echo "<td>";

            echo "<table width='280'  border='0'
cellspacing='2' cellpadding='2'>";

              echo "<tr align='center'>";

                echo "<td width='40'>Sun</td>";

              echo "</tr>";

            echo "</table>";

          echo "</td>";

        echo "</tr>";

      echo "</table>";
```

The first for loop places spaces until it reaches the first numbered day of the year. When it is reached it starts placing numbers, a new row is created every time 7 days pass.

```php
//Create another table in the same styling
    echo "<table width='290'  border='1' cellspacing='2' cellpadding='2'>";
    //Find the amount of days in month
    $count = cal_days_in_Month(CAL_GREGORIAN, $month, $year)  + 1;
    //First for loop places blank spaces untill reach first day
    for ($i =0 ;$i <7; $i++ ){
      //weekday = numercal value of first day (sun = 0)
      if ($i == $weekday){
        //Place 1 to 31
        for ($t = 1;$t <$count; $t++ ){
         echo "<td width='40' align='center'>$t";


        //close the row when a week is reached
        if (($t+$weekday) % 7 == 0) {
          echo "</tr>";


        }
        }
      break;
    }
```

Conclusion

The program worked as intended, testing was a hassle I had to change my computers data and time to get the program date and time to change. PHP isn't too hard to code it, works like any other object orientated language, not a huge fan of how variables needed to have a question mark.

April 2017

Sun	Mon	Tue	Wed	Thur	Fri	Sat
						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						

March 2017

Sun	Mon	Tue	Wed	Thur	Fri	Sat
			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	