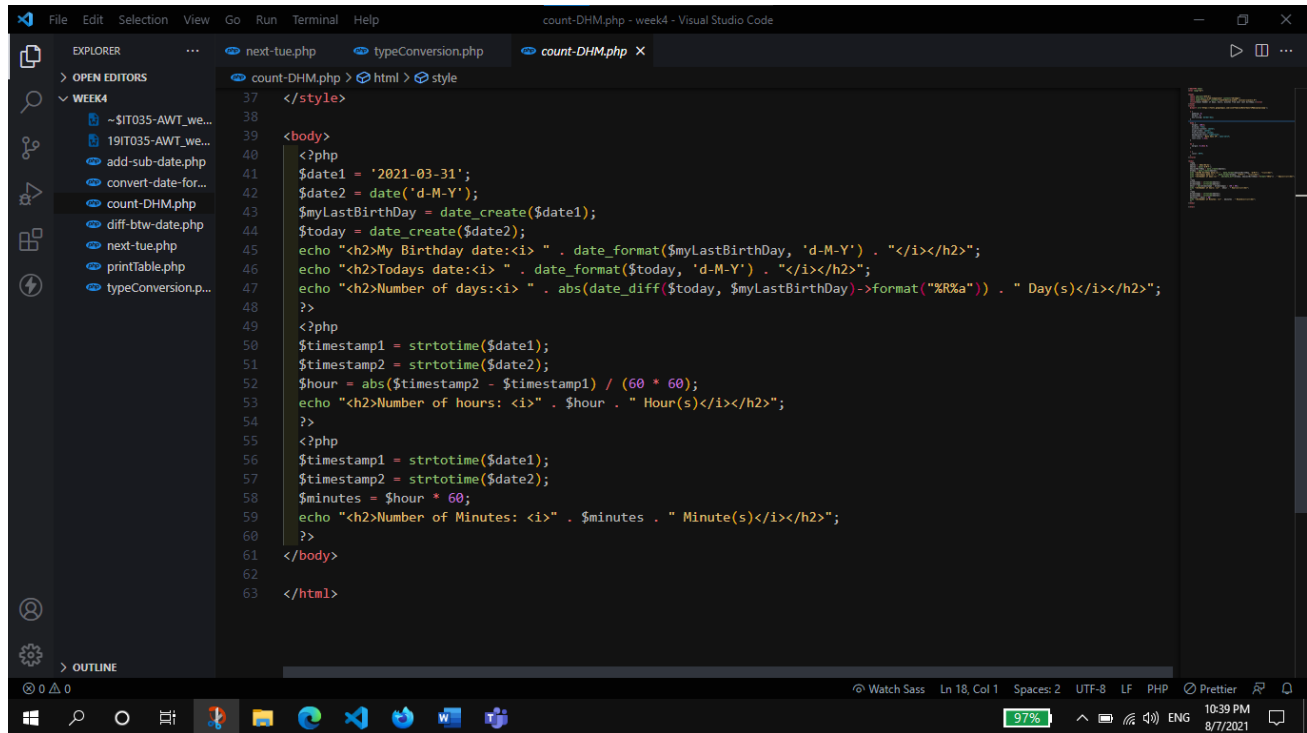


AWT Practical Week - 4 Task

Date and Time

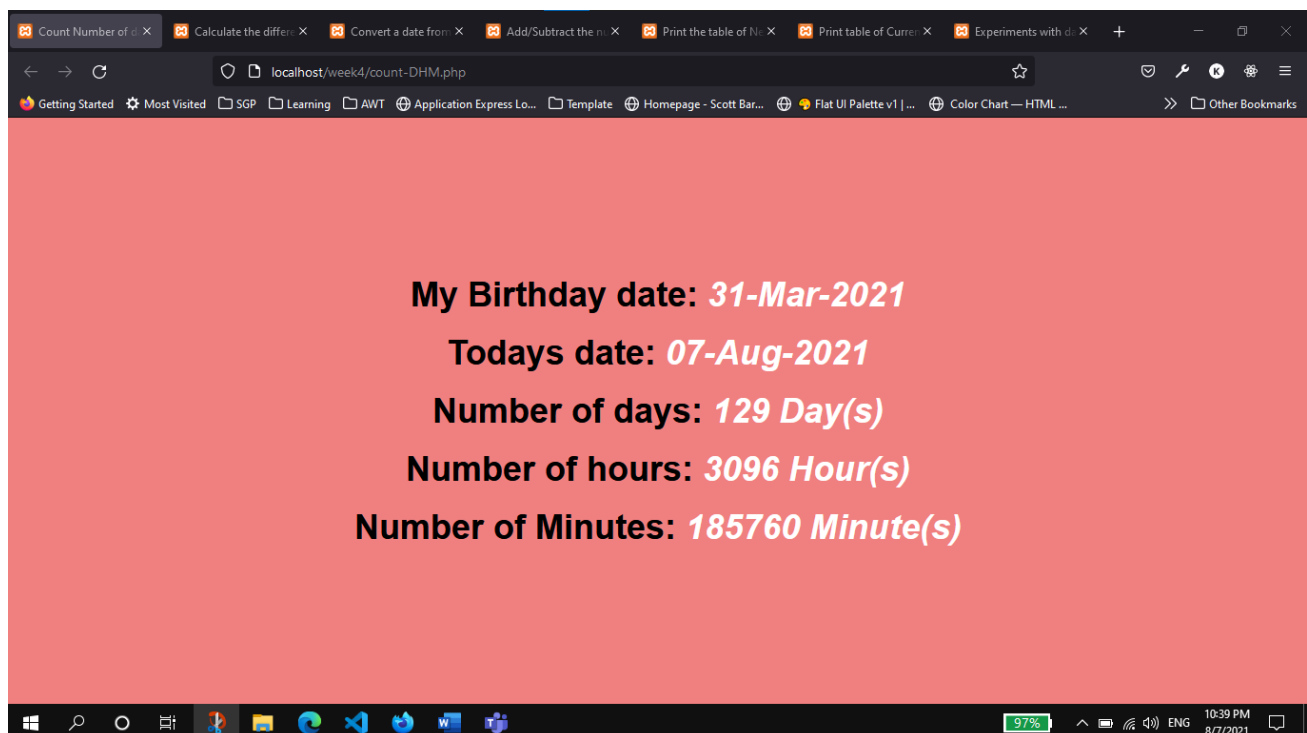
1. Count Number of days, hours, minutes from your last birthday.

Code:



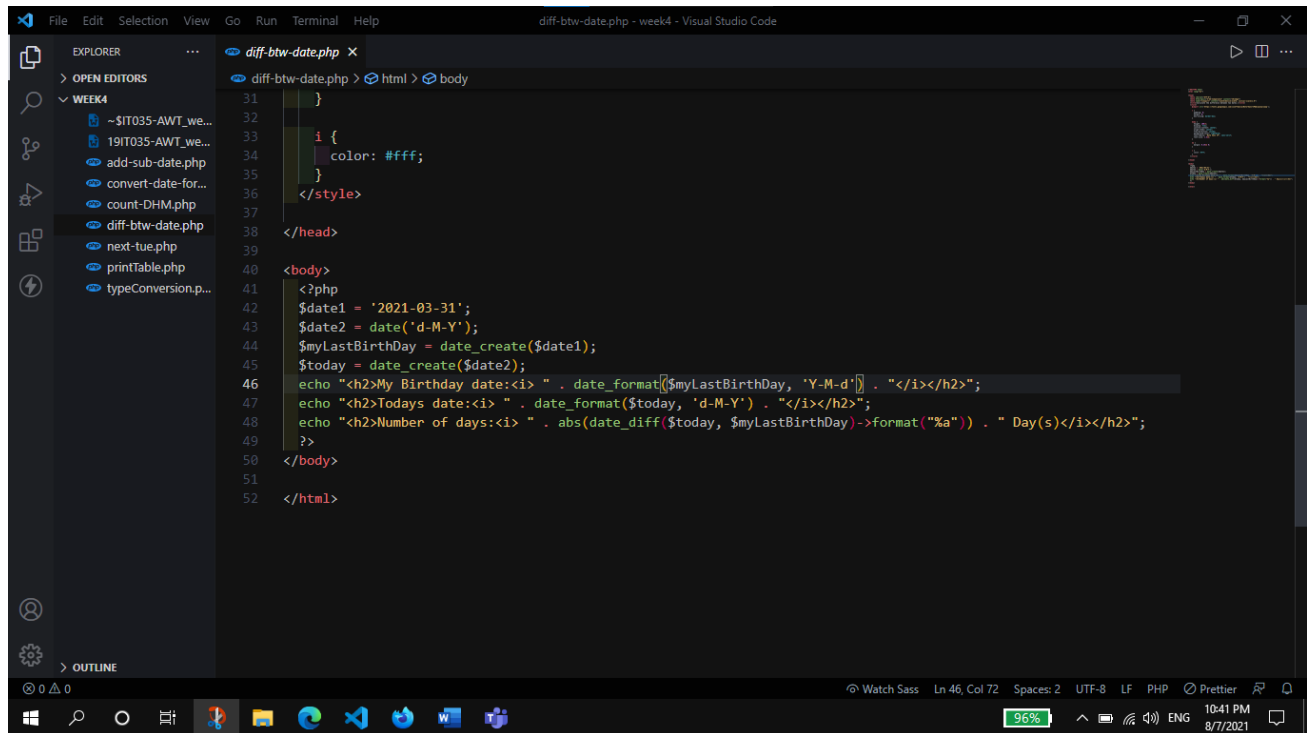
```
37 </style>
38
39 <body>
40 <?php
41     $date1 = '2021-03-31';
42     $date2 = date('d-M-Y');
43     $myLastBirthDay = date_create($date1);
44     $today = date_create($date2);
45     echo "<h2>My Birthday date:<i> " . date_format($myLastBirthDay, 'd-M-Y') . "</i></h2>";
46     echo "<h2>Todays date:<i> " . date_format($today, 'd-M-Y') . "</i></h2>";
47     echo "<h2>Number of days:<i> " . abs(date_diff($today, $myLastBirthDay)->format("%R%a")) . " Day(s)</i></h2>";
48 }>
49 <?php
50 $timestamp1 = strtotime($date1);
51 $timestamp2 = strtotime($date2);
52 $hour = abs($timestamp2 - $timestamp1) / (60 * 60);
53 echo "<h2>Number of hours:<i> " . $hour . " Hour(s)</i></h2>";
54 }>
55 <?php
56 $timestamp1 = strtotime($date1);
57 $timestamp2 = strtotime($date2);
58 $minutes = $hour * 60;
59 echo "<h2>Number of Minutes:<i> " . $minutes . " Minute(s)</i></h2>";
60 }>
61 </body>
62
63 </html>
```

Output:



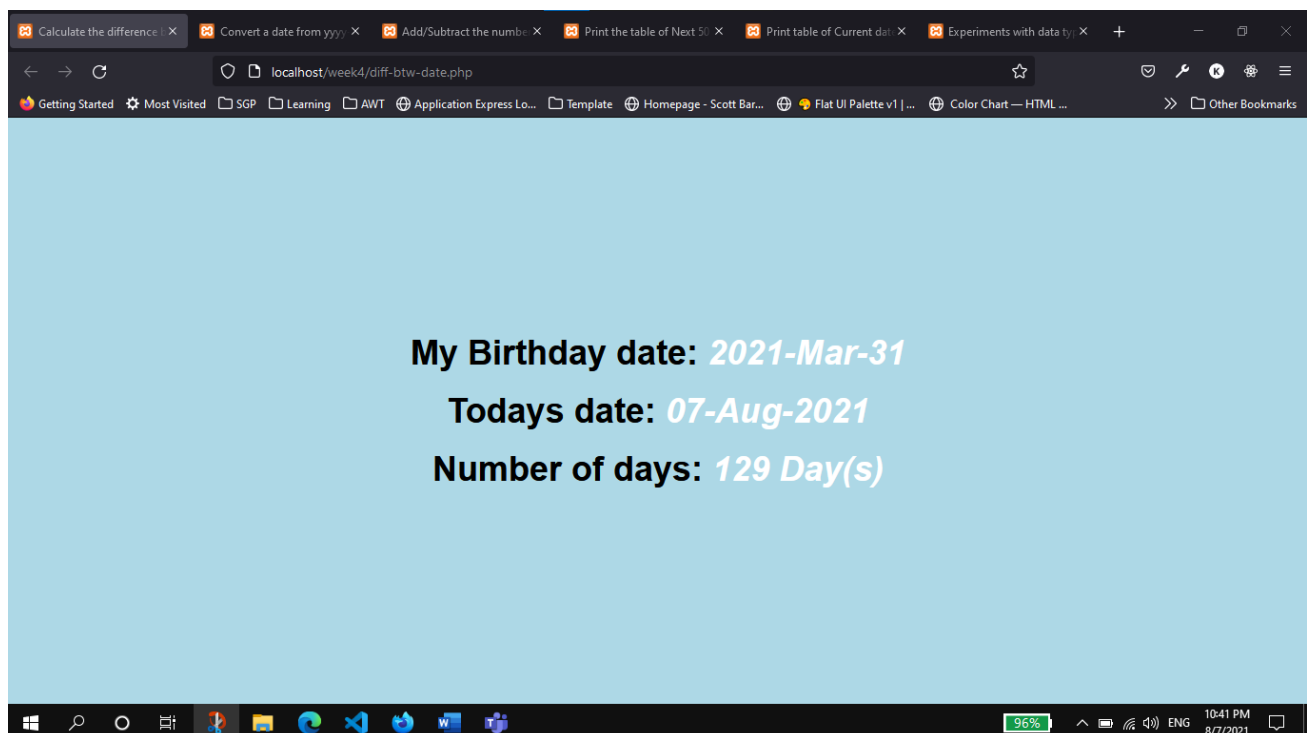
2. Calculate the difference between two dates. (date1:yyyy-mm-dd, date2:dd-mm-yyyy)

Code:



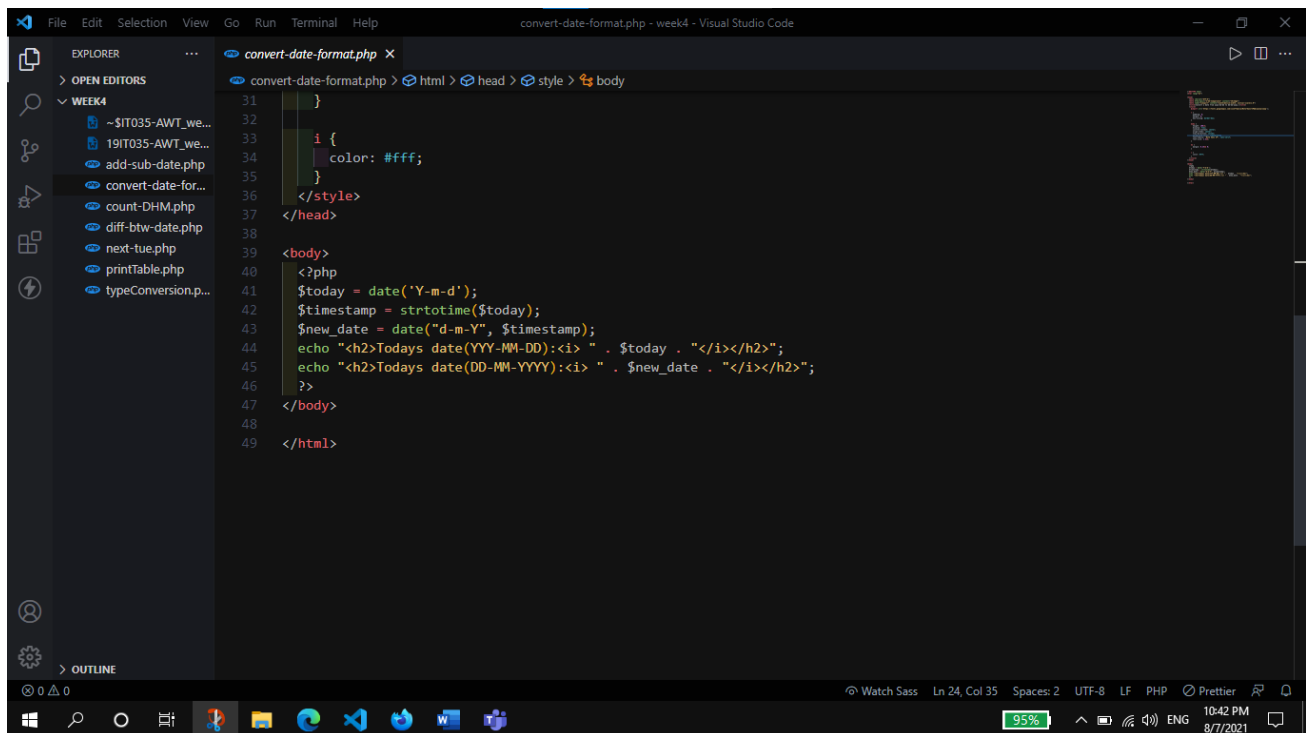
```
diff-btw-date.php
31 }
32
33 i {
34     color: #fff;
35 }
36 </style>
37 </head>
38
39 <body>
40 <?php
41     $date1 = '2021-03-31';
42     $date2 = date('d-M-Y');
43     $myLastBirthDay = date_create($date1);
44     $today = date_create($date2);
45     echo "<h2>My Birthday date:<i> " . date_format($myLastBirthDay, 'Y-M-d') . "</i></h2>";
46     echo "<h2>Todays date:<i> " . date_format($today, 'd-M-Y') . "</i></h2>";
47     echo "<h2>Number of days:<i> " . abs(date_diff($today, $myLastBirthDay)->format("%a")) . " Day(s)</i></h2>";
48 ?>
49 </body>
50
51
52 </html>
```

Output:



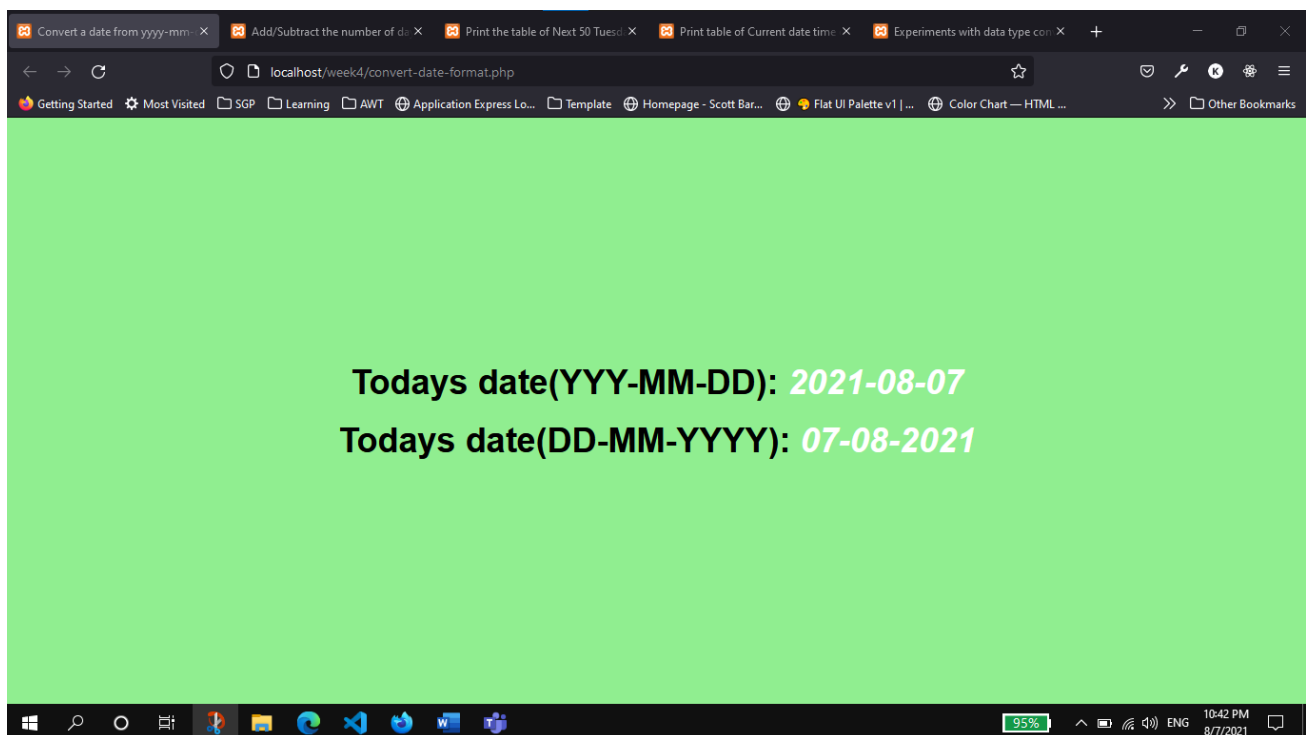
3. Convert a date from yyyy-mm-dd to dd-mm-yyyy.

Code:



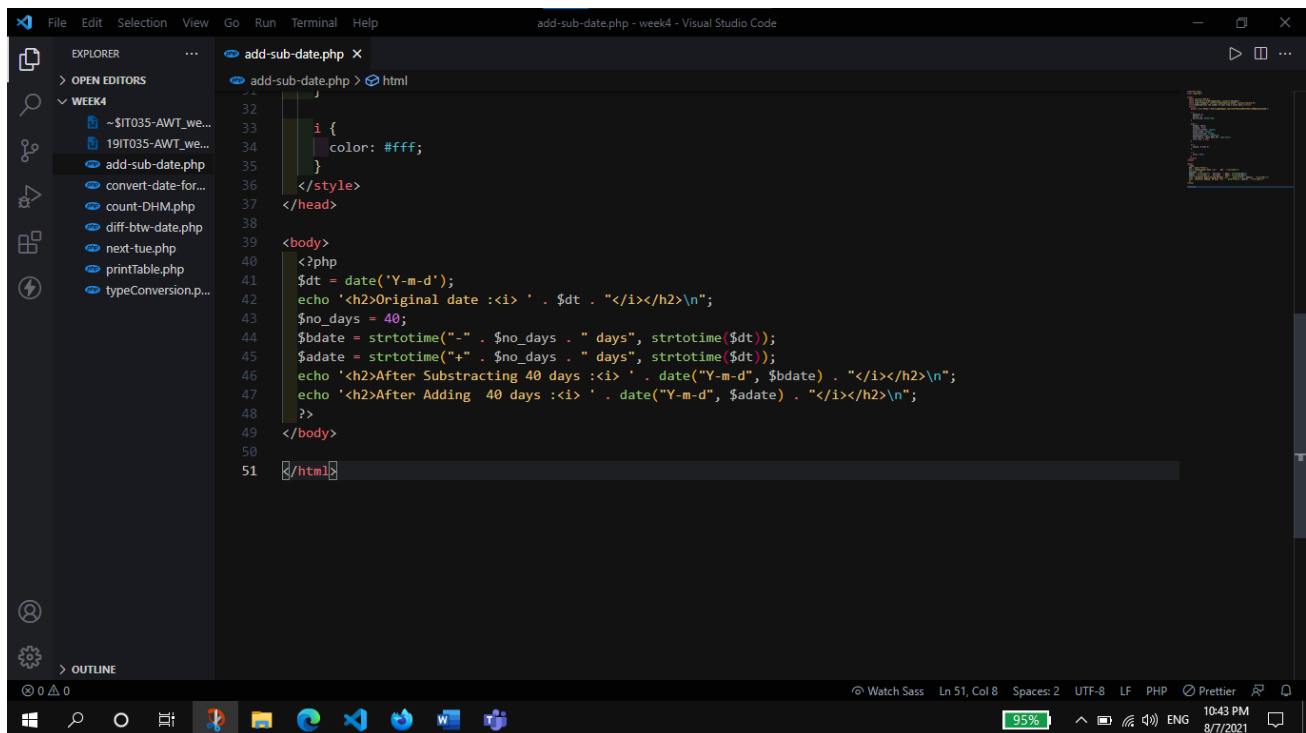
```
convert-date-format.php
31 }
32
33 i {
34     color: #fff;
35 }
36 </style>
37 </head>
38
39 <body>
40 <?php
41     $today = date('Y-m-d');
42     $timestamp = strtotime($today);
43     $new_date = date("d-m-Y", $timestamp);
44     echo "<h2>Todays date(YYY-MM-DD):<i> " . $today . "</i></h2>";
45     echo "<h2>Todays date(DD-MM-YYYY):<i> " . $new_date . "</i></h2>";
46     ?>
47 </body>
48
49 </html>
```

Output:



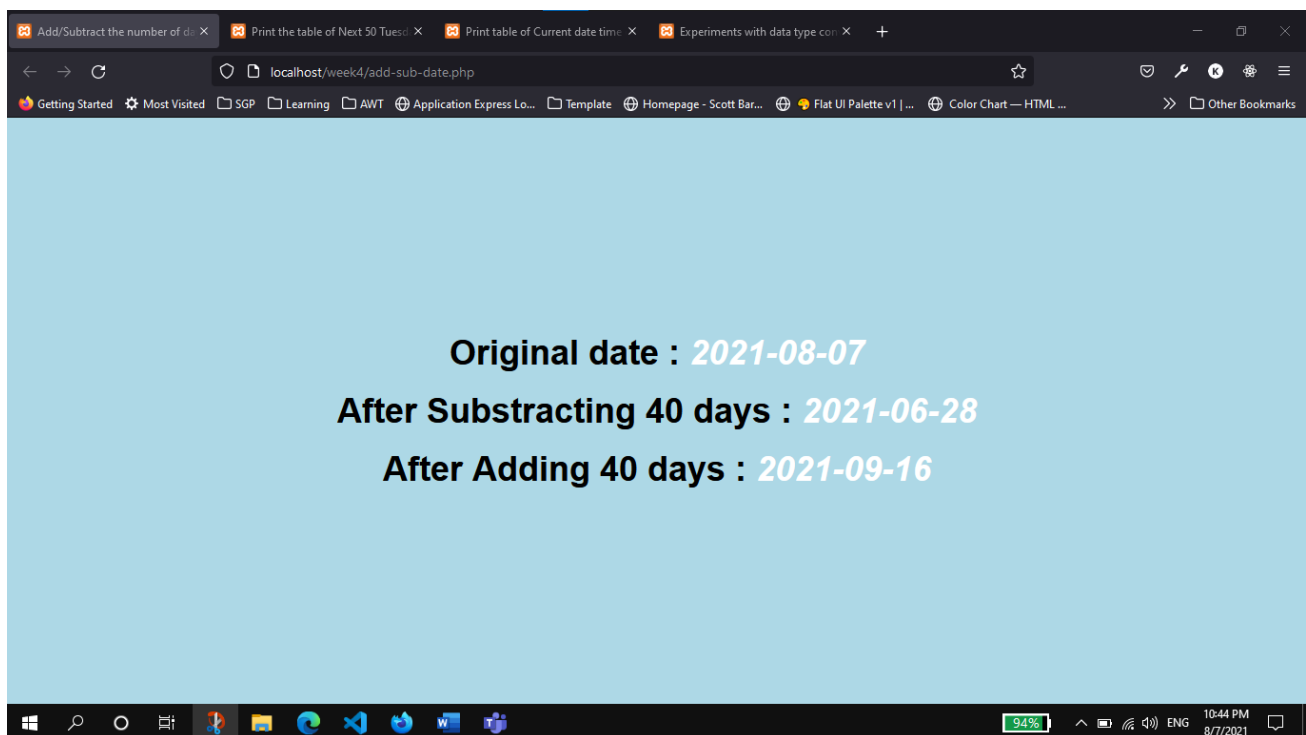
4. Add/Subtract the number of days from a given date.

Code:



```
add-sub-date.php
32
33
34     color: #fff;
35 }
36
37 </style>
38 </head>
39
40 <body>
41 <?php
42     $dt = date('Y-m-d');
43     echo '<h2>Original date :<i> ' . $dt . "</i></h2>\n";
44     $no_days = 40;
45     $bdate = strtotime("-" . $no_days . " days", strtotime($dt));
46     $adate = strtotime("+" . $no_days . " days", strtotime($dt));
47     echo '<h2>After Subtracting 40 days :<i> ' . date("Y-m-d", $bdate) . "</i></h2>\n";
48     echo '<h2>After Adding 40 days :<i> ' . date("Y-m-d", $adate) . "</i></h2>\n";
49 ?>
50
51 </body>
52 </html>
```

Output:



5. Print the table of Next 50 Tuesday from the given date.

Code:

```

next-tue.php
<?php
$today = date('Y-m-d', strtotime('now'));
$next_tue = date('Y-m-d', strtotime("next Tuesday"));
$no_days = abs(date_diff(date_create($today), date_create($next_tue))>format("%a"));
?>
<div>
<table>
<?php
$temp = $no_days;
$i = 1;
for ($i; $i <= 13; $i++) {
    $adate = strtotime("+ $temp . " days", strtotime('now'));
    $nexttue = date("l jS F", $adate);
    echo "<tr>
    <td>$i Tuesday</td>
    <td>$nexttue</td>
    </tr>";
    $temp += 7;
}
?>
</table>
<table>
<?php
for ($i; $i <= 26; $i++) {
    $adate = strtotime("+ $temp . " days", strtotime('now'));
    $nexttue = date("l jS F", $adate);
    echo "<tr>
    <td>$i Tuesday</td>
    <td>$nexttue</td>
    </tr>";
    $temp += 7;
}
?>
</table>

```

```

next-tue.php
<?php
for ($i; $i <= 39; $i++) {
    $adate = strtotime("+ $temp . " days", strtotime('now'));
    $nexttue = date("l jS F", $adate);
    echo "<tr>
    <td>$i Tuesday</td>
    <td>$nexttue</td>
    </tr>";
    $temp += 7;
}
?>
</table>
<table>
<?php
for ($i; $i <= 50; $i++) {
    $adate = strtotime("+ $temp . " days", strtotime('now'));
    $nexttue = date("l jS F", $adate);
    echo "<tr>
    <td>$i Tuesday</td>
    <td>$nexttue</td>
    </tr>";
    $temp += 7;
}
?>
</table>

```

Output:

1 Tuesday	Tuesday 10th August	14 Tuesday	Tuesday 9th November	27 Tuesday	Tuesday 8th February	40 Tuesday	Tuesday 10th May
2 Tuesday	Tuesday 17th August	15 Tuesday	Tuesday 16th November	28 Tuesday	Tuesday 15th February	41 Tuesday	Tuesday 17th May
3 Tuesday	Tuesday 24th August	16 Tuesday	Tuesday 23rd November	29 Tuesday	Tuesday 22nd February	42 Tuesday	Tuesday 24th May
4 Tuesday	Tuesday 31st August	17 Tuesday	Tuesday 30th November	30 Tuesday	Tuesday 1st March	43 Tuesday	Tuesday 31st May
5 Tuesday	Tuesday 7th September	18 Tuesday	Tuesday 7th December	31 Tuesday	Tuesday 8th March	44 Tuesday	Tuesday 7th June
6 Tuesday	Tuesday 14th September	19 Tuesday	Tuesday 14th December	32 Tuesday	Tuesday 15th March	45 Tuesday	Tuesday 14th June
7 Tuesday	Tuesday 21st September	20 Tuesday	Tuesday 21st December	33 Tuesday	Tuesday 22nd March	46 Tuesday	Tuesday 21st June
8 Tuesday	Tuesday 28th September	21 Tuesday	Tuesday 28th December	34 Tuesday	Tuesday 29th March	47 Tuesday	Tuesday 28th June
9 Tuesday	Tuesday 5th October	22 Tuesday	Tuesday 4th January	35 Tuesday	Tuesday 5th April	48 Tuesday	Tuesday 5th July
10 Tuesday	Tuesday 12th October	23 Tuesday	Tuesday 11th January	36 Tuesday	Tuesday 12th April	49 Tuesday	Tuesday 12th July
11 Tuesday	Tuesday 19th October	24 Tuesday	Tuesday 18th January	37 Tuesday	Tuesday 19th April	50 Tuesday	Tuesday 19th July
12 Tuesday	Tuesday 26th October	25 Tuesday	Tuesday 25th January	38 Tuesday	Tuesday 26th April		
13 Tuesday	Tuesday 2nd November	26 Tuesday	Tuesday 1st February	39 Tuesday	Tuesday 3rd May		

6. Print table of Current date time of UK , USA, India and Israel.

Code:

File Edit Selection View Go Run Terminal Help

printTable.php - week4 - Visual Studio Code

EXPLORER

OPEN EDITORS

WEEK4

- ~\$IT035-AWT_we...
- 19IT035-AWT_we...
- add-sub-date.php
- convert-date-for...
- count-DHM.php
- diff-btw.date.php
- next-tue.php
- printTable.php
- typeConversion.p...

printTable.php X

```

1 printTable.php > html > body > table
2
3 <table>
4 <?php
5     $date = new DateTime("now", new DateTimeZone('Europe/London'));
6     $date = $date->format('Y-m-d h:i:s A');
7     echo "<tr>
8 <td>UK</td>
9 <td>$date</td>
10 </tr>";
11 <?php
12 <br>
13 <?php
14     $date = new DateTime("now", new DateTimeZone('America/Los_Angeles'));
15     $date = $date->format('Y-m-d h:i:s A');
16     echo "<tr>
17 <td>USA</td>
18 <td>$date</td>
19 </tr>";
20 <?php
21 <br>
22 <?php
23     $date = new DateTime("now", new DateTimeZone('Asia/Kolkata'));
24     $date = $date->format('Y-m-d h:i:s A');
25     echo "<tr>
26 <td>India</td>
27 <td>$date</td>
28 </tr>";
29 <?php
30 <br>
31 <?php
32     $date = new DateTime("now", new DateTimeZone('Asia/Jerusalem'));
33     $date = $date->format('Y-m-d h:i:s A');
34     echo "<tr>
35 <td>UK</td>
36 <td>$date</td>
37 </tr>";
38 <?php
39 <br>
40 </table>
41 </body>

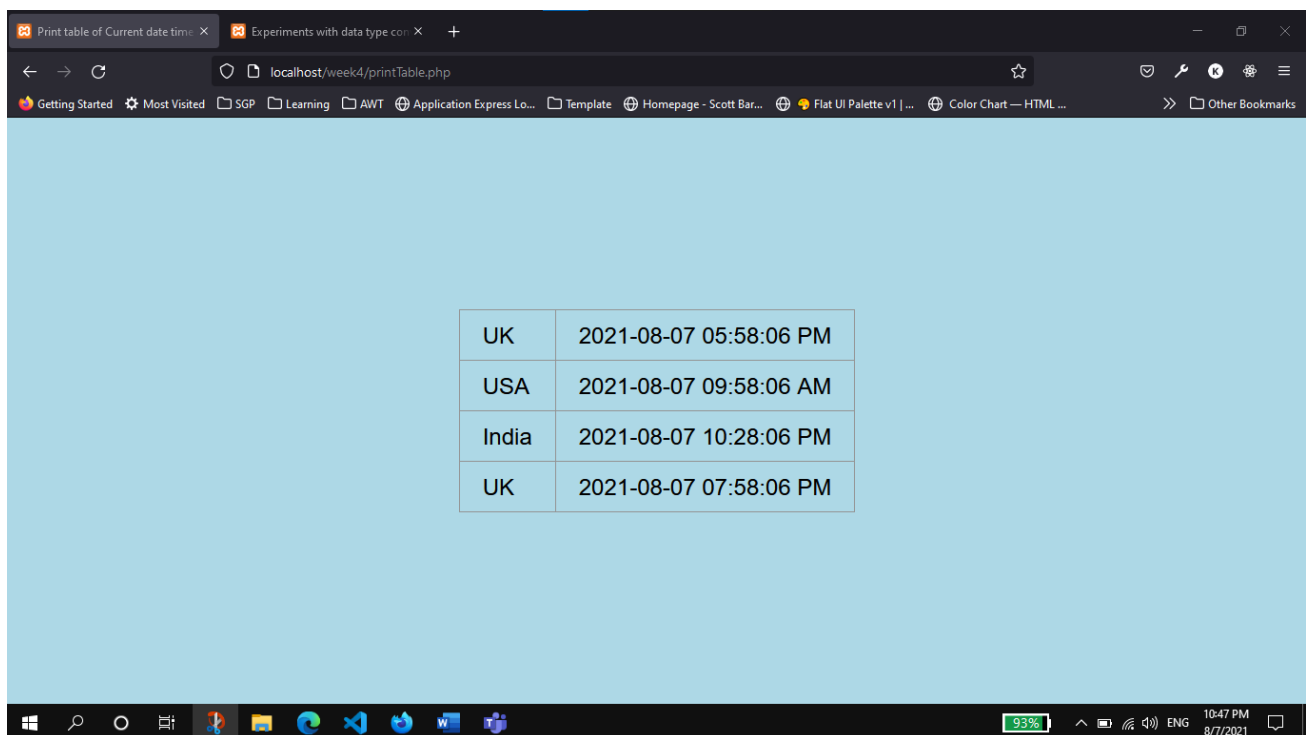
```

93%

Watch Sass Ln 69, Col 7 Spaces: 2 UTF-8 LF PHP Prettier

10:47 PM 8/7/2021

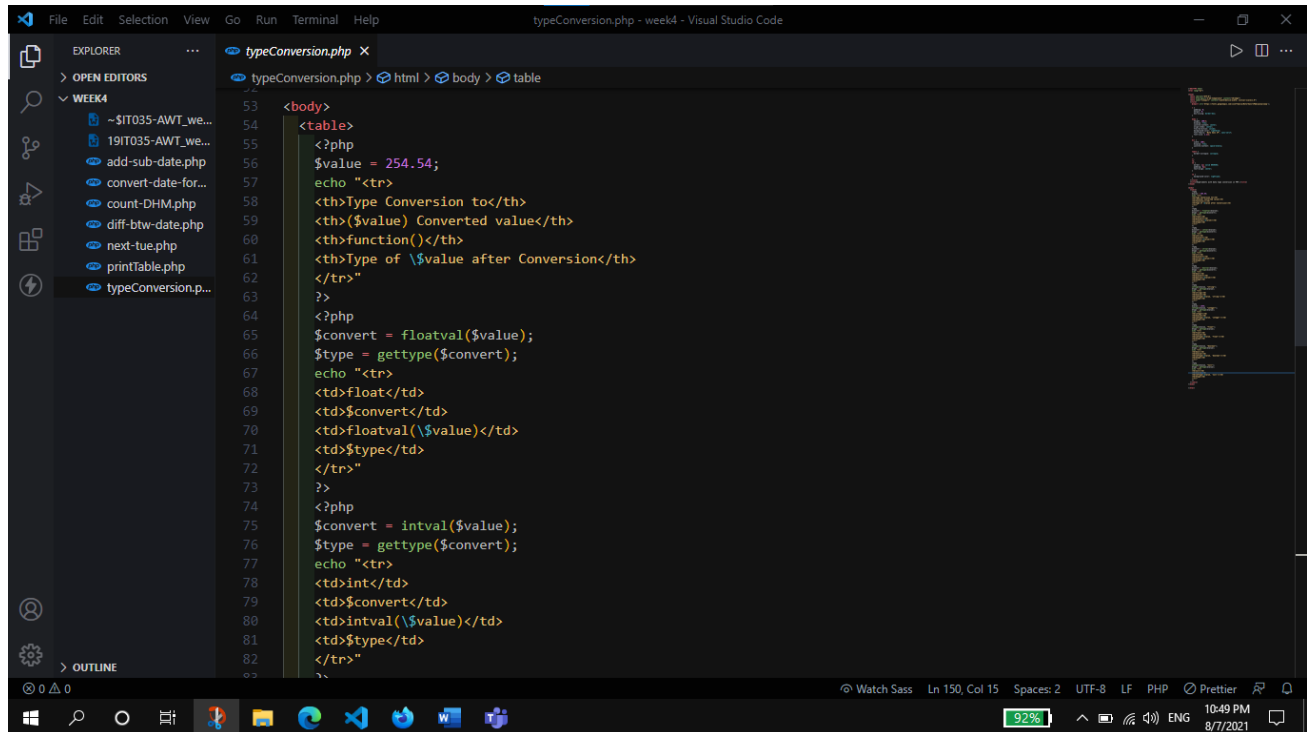
Output:



Data Type Conversion

1. Experiments with data type conversion in PHP.

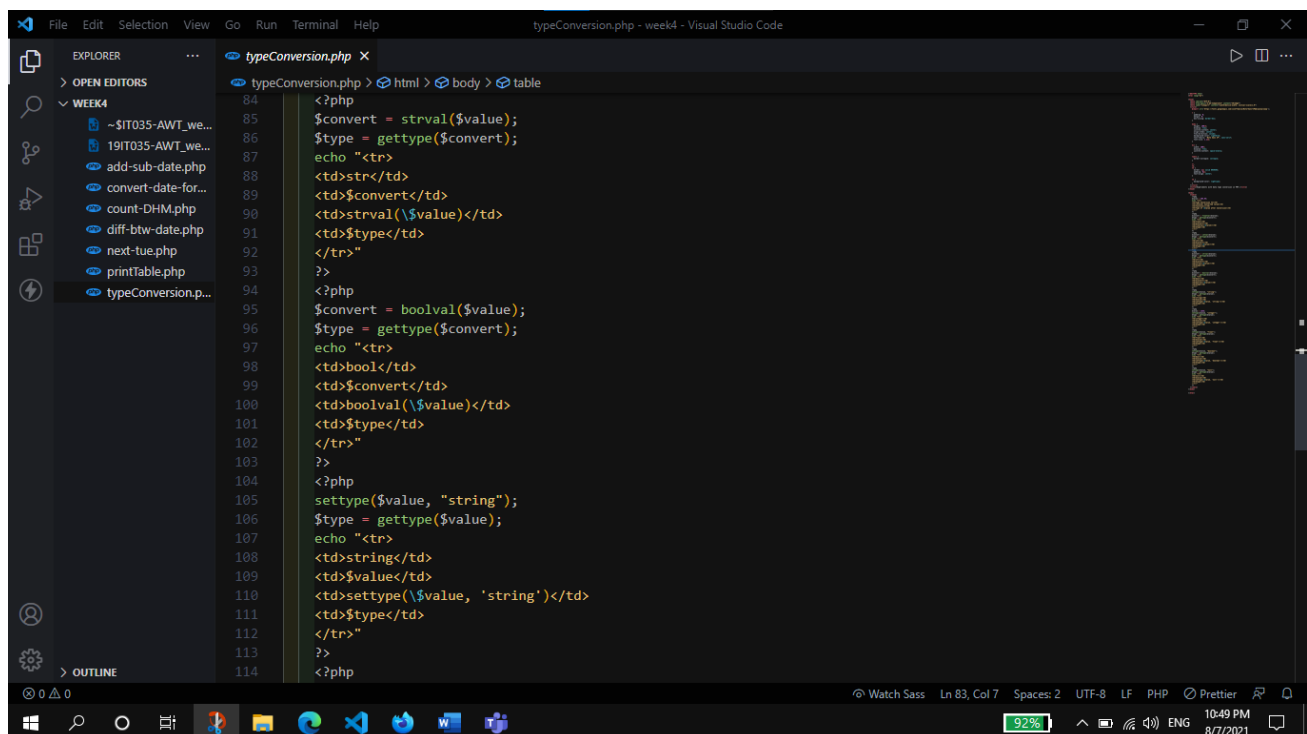
Code:



The screenshot shows the Visual Studio Code editor with a file named `typeConversion.php` open. The Explorer sidebar on the left shows a project structure with a `WEEK4` folder containing several PHP files, including `typeConversion.p...`. The main editor area displays the following PHP code:

```
<?php
<table>
<tr>
<th>Type Conversion to</th>
<th>($value) Converted value</th>
<th>function()</th>
<th>Type of \ $value after Conversion</th>
</tr>
<tr>
<td>float</td>
<td>$convert</td>
<td>floatval(\ $value)</td>
<td>$type</td>
</tr>
<tr>
<td>int</td>
<td>$convert</td>
<td>intval(\ $value)</td>
<td>$type</td>
</tr>
```

The status bar at the bottom indicates the file is at line 150, column 15, with 2 spaces, UTF-8 encoding, LF line endings, and PHP syntax highlighting. The system tray shows a 92% battery level and the date/time as 10:49 PM on 8/7/2021.



The screenshot shows the Visual Studio Code editor with the same file `typeConversion.php` open, displaying the continuation of the PHP code:

```
<?php
$convert = strval($value);
$type = gettype($convert);
echo "<tr>
<td>str</td>
<td>$convert</td>
<td>strval(\ $value)</td>
<td>$type</td>
</tr>";
?>
<?php
$convert = boolval($value);
$type = gettype($convert);
echo "<tr>
<td>bool</td>
<td>$convert</td>
<td>boolval(\ $value)</td>
<td>$type</td>
</tr>";
?>
<?php
settype($value, "string");
$type = gettype($value);
echo "<tr>
<td>string</td>
<td>$value</td>
<td>settype(\ $value, 'string')</td>
<td>$type</td>
</tr>";
?>
<?php
```

The status bar at the bottom indicates the file is at line 83, column 7, with 2 spaces, UTF-8 encoding, LF line endings, and PHP syntax highlighting. The system tray shows a 92% battery level and the date/time as 10:49 PM on 8/7/2021.


```

125 <?php
126 settype($value, "float");
127 $type = gettype($value);
128 echo "<tr>
129 <td>float</td>
130 <td>$value</td>
131 <td>settype(\$value, 'float')</td>
132 <td>$type</td>
133 </tr>"
134 ?>
135 <?php
136 settype($value, "boolean");
137 $type = gettype($value);
138 echo "<tr>
139 <td>bool</td>
140 <td>$value</td>
141 <td>settype(\$value, 'boolean')</td>
142 <td>$type</td>
143 </tr>"
144 ?>
145 <?php
146 settype($value, "null");
147 $type = gettype($value);
148 echo "<tr>
149 <td>null</td>
150 <td>$value</td>
151 <td>settype(\$value, 'null')</td>
152 <td>$type</td>
153 </tr>"
154 ?>
155 </table>

```

Output:

Type Conversion to	(254.54) Converted value	function()	Type of \$value after Conversion
float	254.54	floatval(\$value)	double
int	254	intval(\$value)	integer
str	254.54	strval(\$value)	string
bool	1	boolval(\$value)	boolean
string	254.54	settype(\$value, 'string')	string
integer	1354	settype(\$value, 'integer')	integer
float	1354	settype(\$value, 'float')	double
bool	1	settype(\$value, 'boolean')	boolean
null		settype(\$value, 'null')	NULL