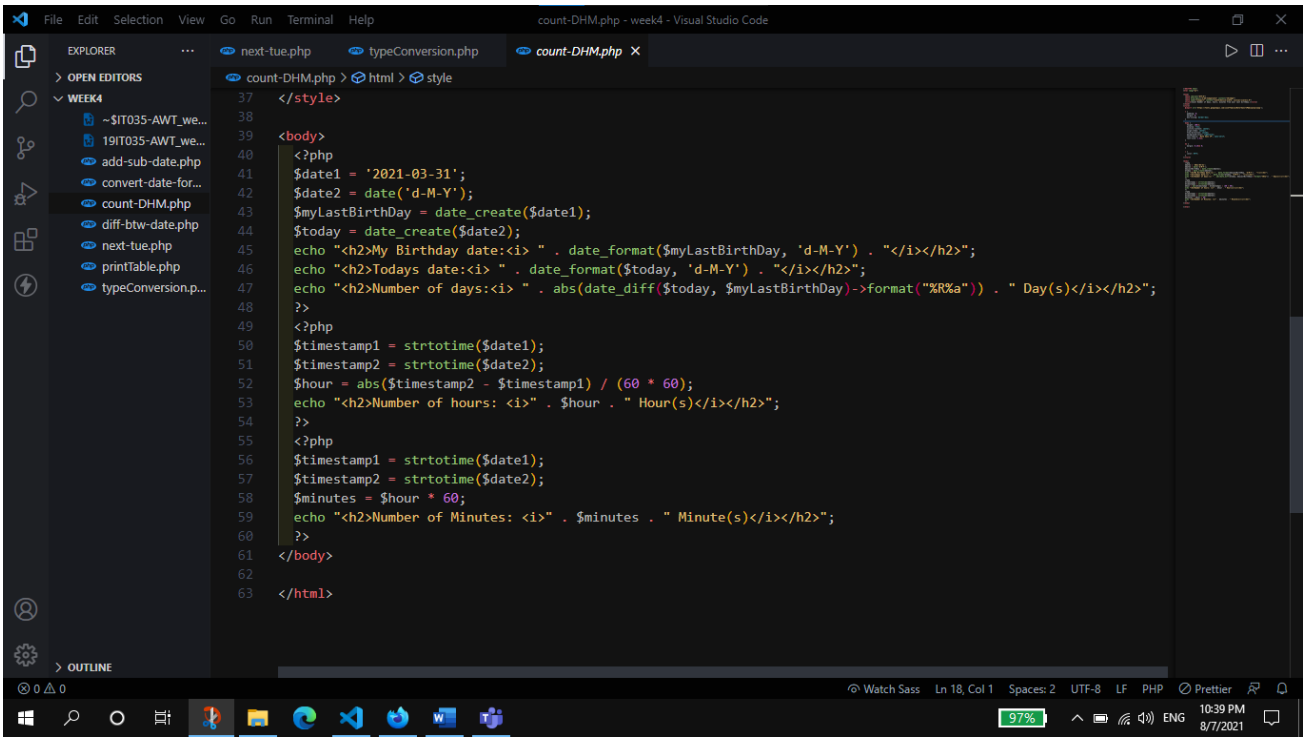
AWT Practical *Week - 4 Task*

Date and Time

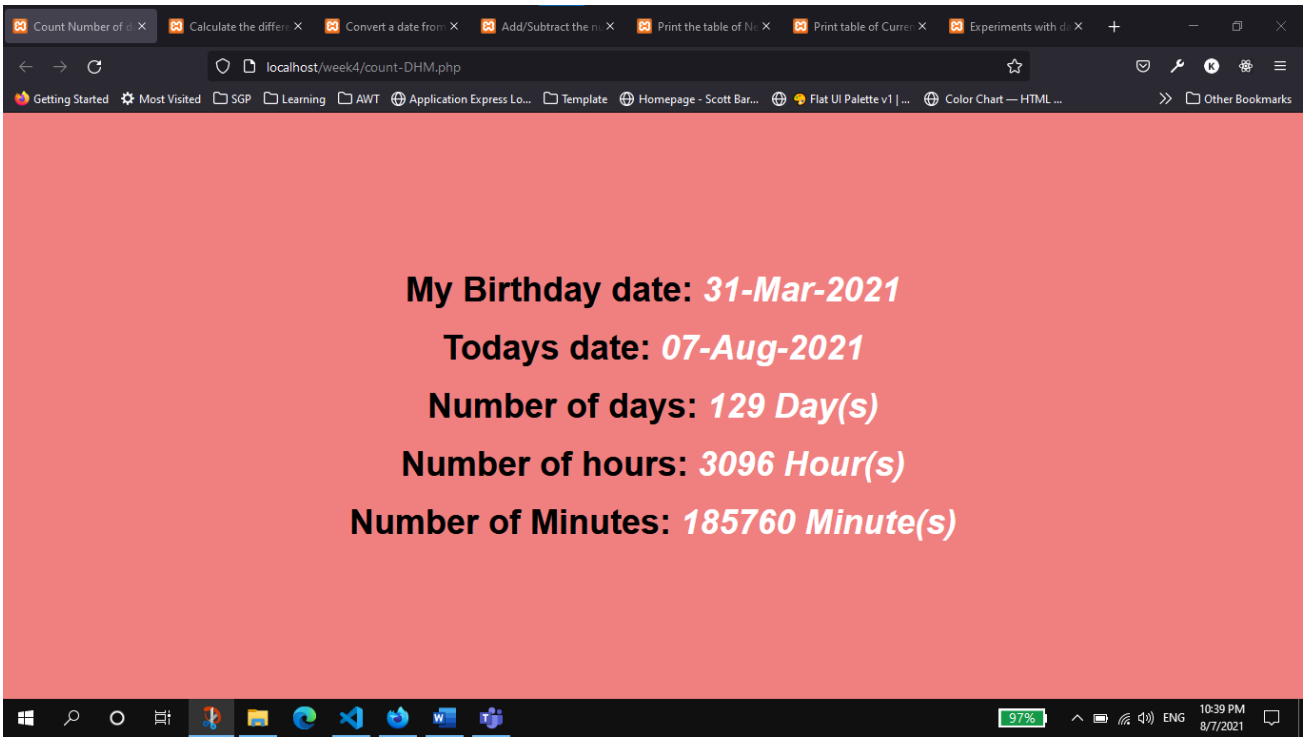
1. Count Number of days, hours, minutes from your last birthday.

Code:



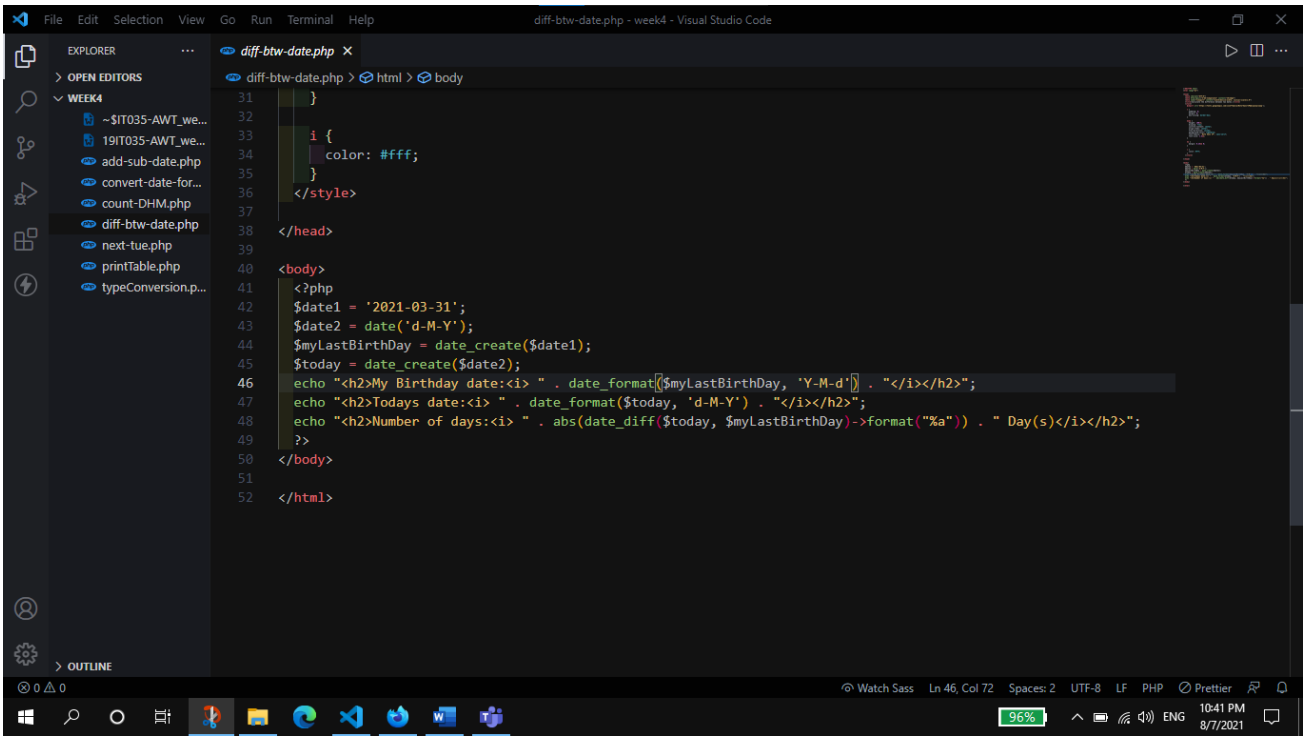
```php
</style>

<body>
  <?php
  $date1 = '2021-03-31';
  $date2 = date('d-M-Y');
  $myLastBirthDay = date_create($date1);
  $today = date_create($date2);
  echo "<h2>My Birthday date:<i> " . date_format($myLastBirthDay, 'd-M-Y') . "</i></h2>";
  echo "<h2>Todays date:<i> " . date_format($today, 'd-M-Y') . "</i></h2>";
  echo "<h2>Number of days:<i> " . abs(date_diff($today, $myLastBirthDay)->format("%R%a")) . " Day(s)</i></h2>";
  ?>
  <?php
  $timestamp1 = strtotime($date1);
  $timestamp2 = strtotime($date2);
  $hour = abs($timestamp2 - $timestamp1) / (60 * 60);
  echo "<h2>Number of hours: <i>" . $hour . " Hour(s)</i></h2>";
  ?>
  <?php
  $timestamp1 = strtotime($date1);
  $timestamp2 = strtotime($date2);
  $minutes = $hour * 60;
  echo "<h2>Number of Minutes: <i>" . $minutes . " Minute(s)</i></h2>";
  ?>
</body>

</html>
```

Output:

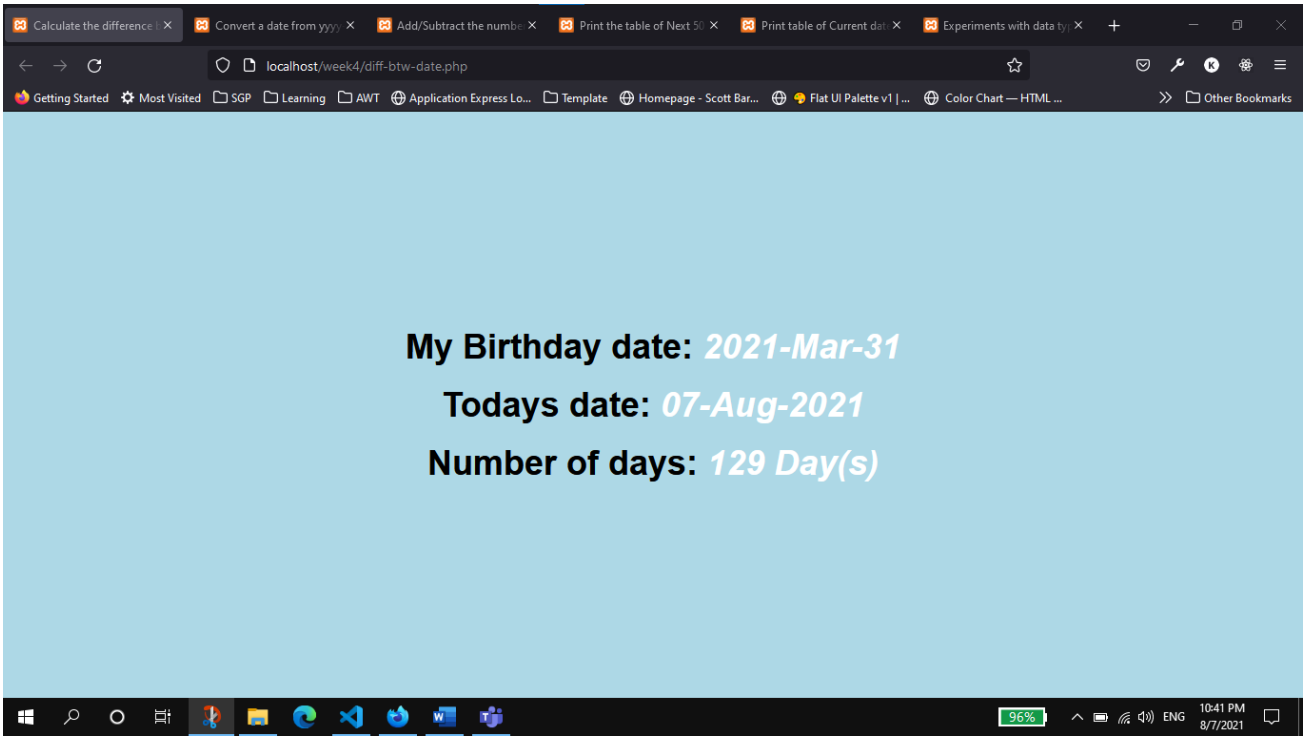


2. Calculate the difference between two dates. (date1:yyyy-mm-dd, date2:dd-mm-yyyy)

Code:

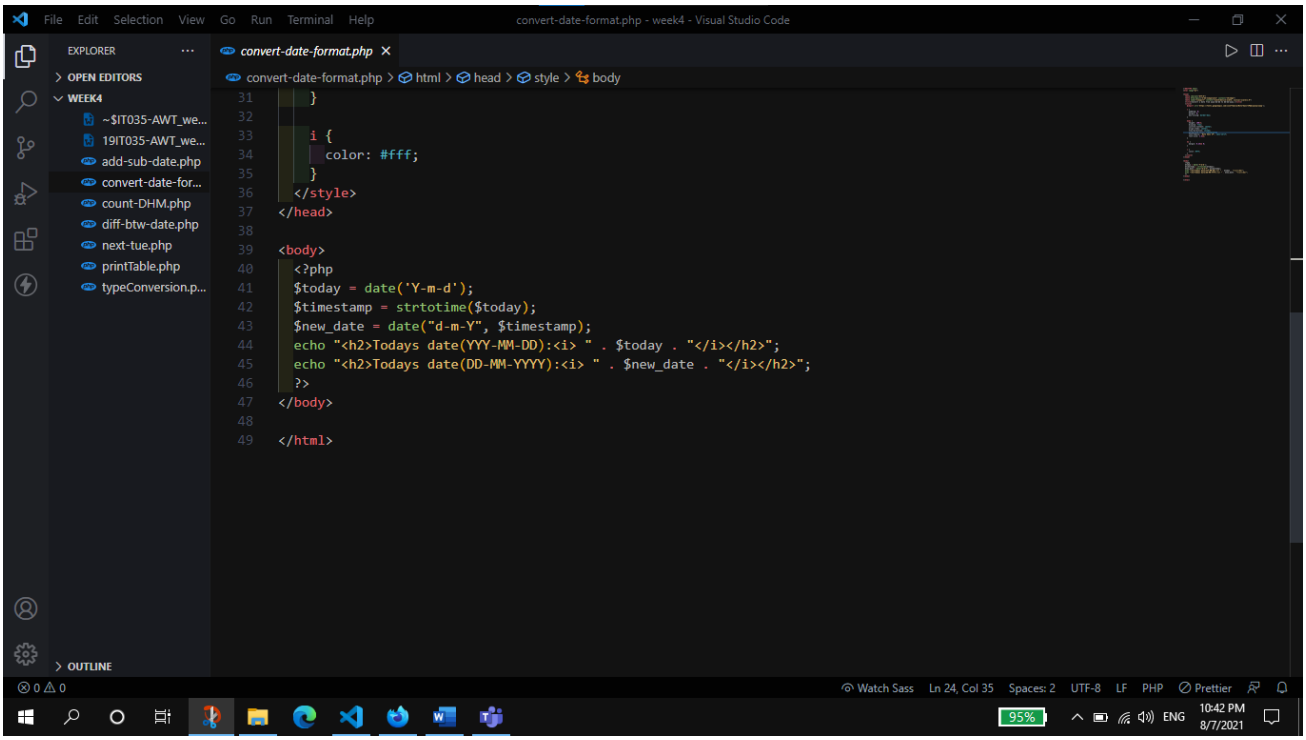


Output:

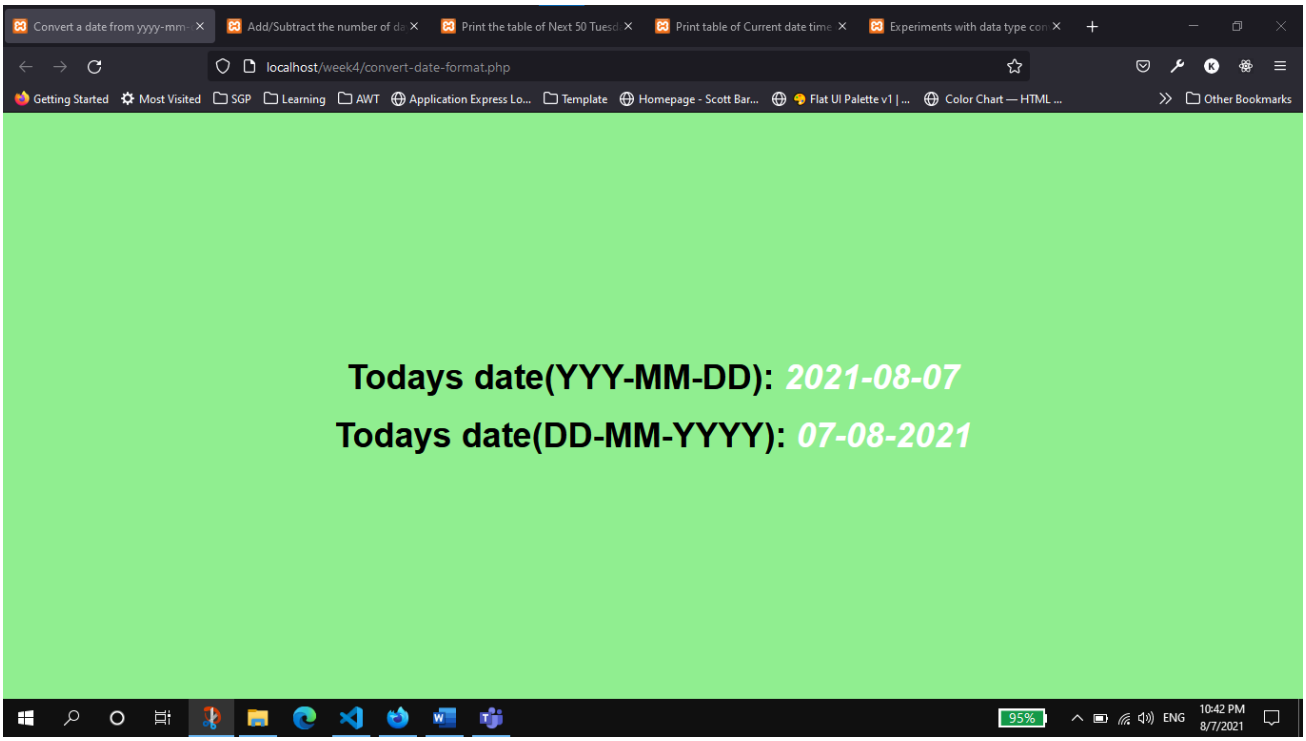


3. Convert a date from yyyy-mm-dd to dd-mm-yyyy.

Code:

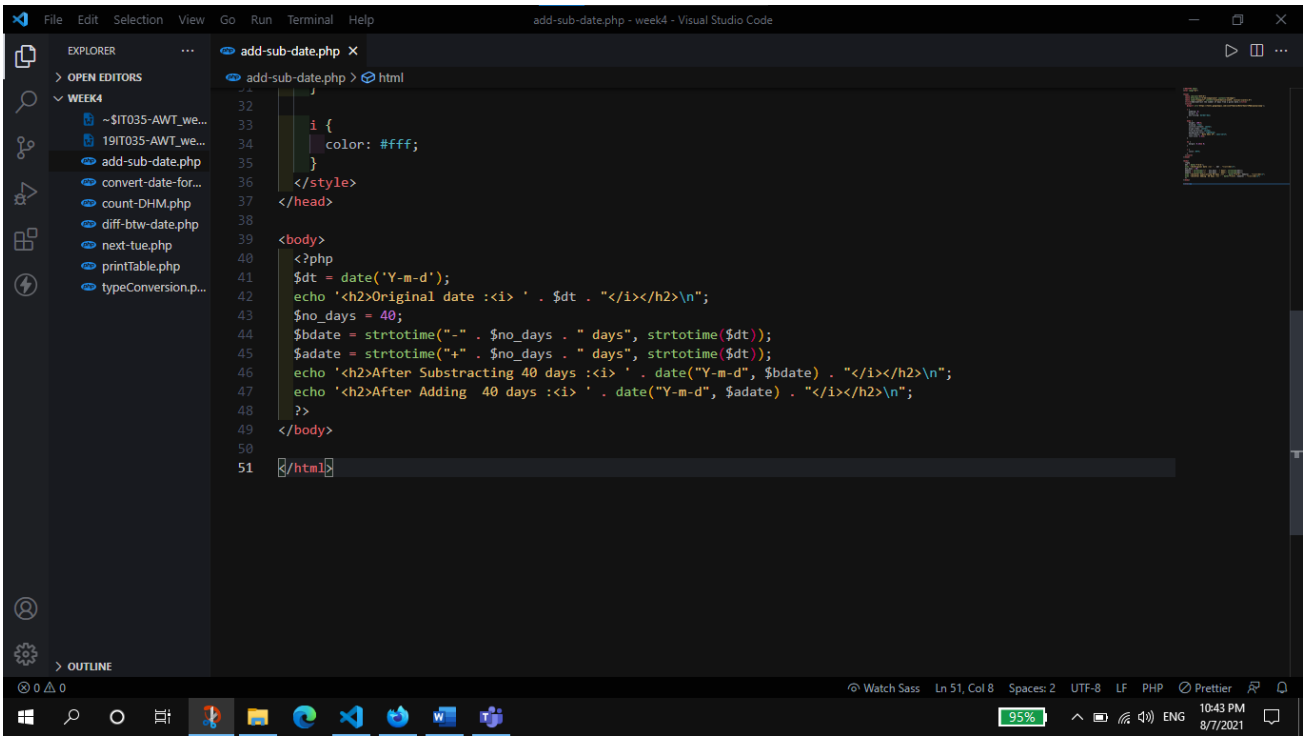


Output:



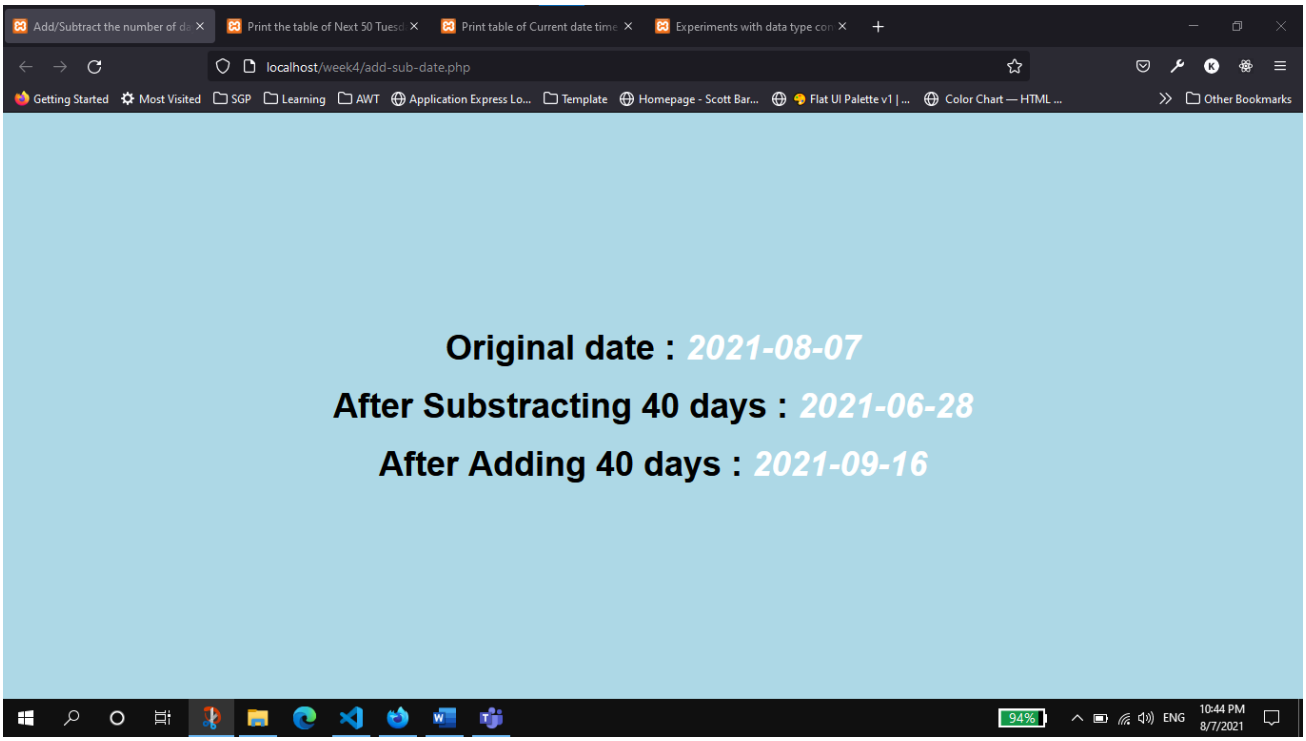
4. Add/Subtract the number of days from a given date.

Code:



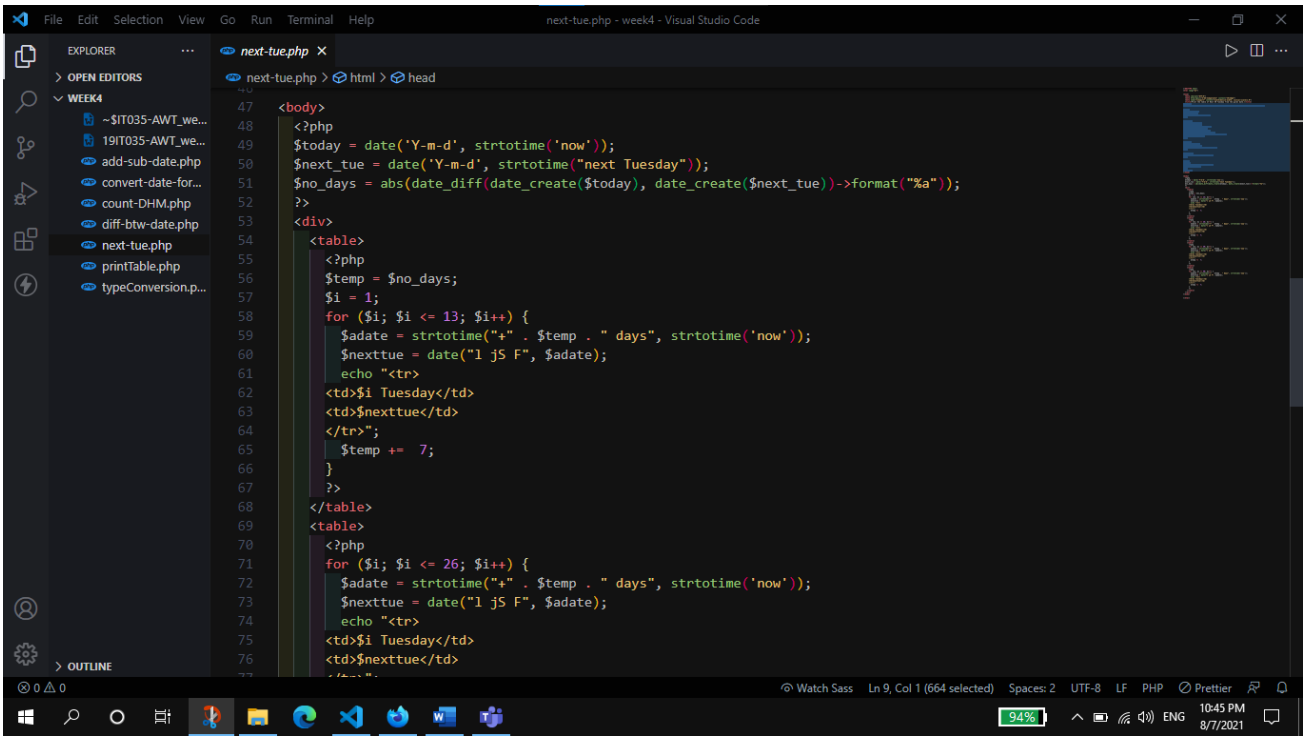
```
    i {
      color: #fff;
    }
  </style>
</head>

<body>
  <?php
  $dt = date('Y-m-d');
  echo '<h2>Original date :<i> ' . $dt . "</i></h2>\n";
  $no_days = 40;
  $bdate = strtotime("-" . $no_days . " days", strtotime($dt));
  $adate = strtotime("+" . $no_days . " days", strtotime($dt));
  echo '<h2>After Substracting 40 days :<i> ' . date("Y-m-d", $bdate) . "</i></h2>\n";
  echo '<h2>After Adding  40 days :<i> ' . date("Y-m-d", $adate) . "</i></h2>\n";
  ?>
</body>

</html>
```

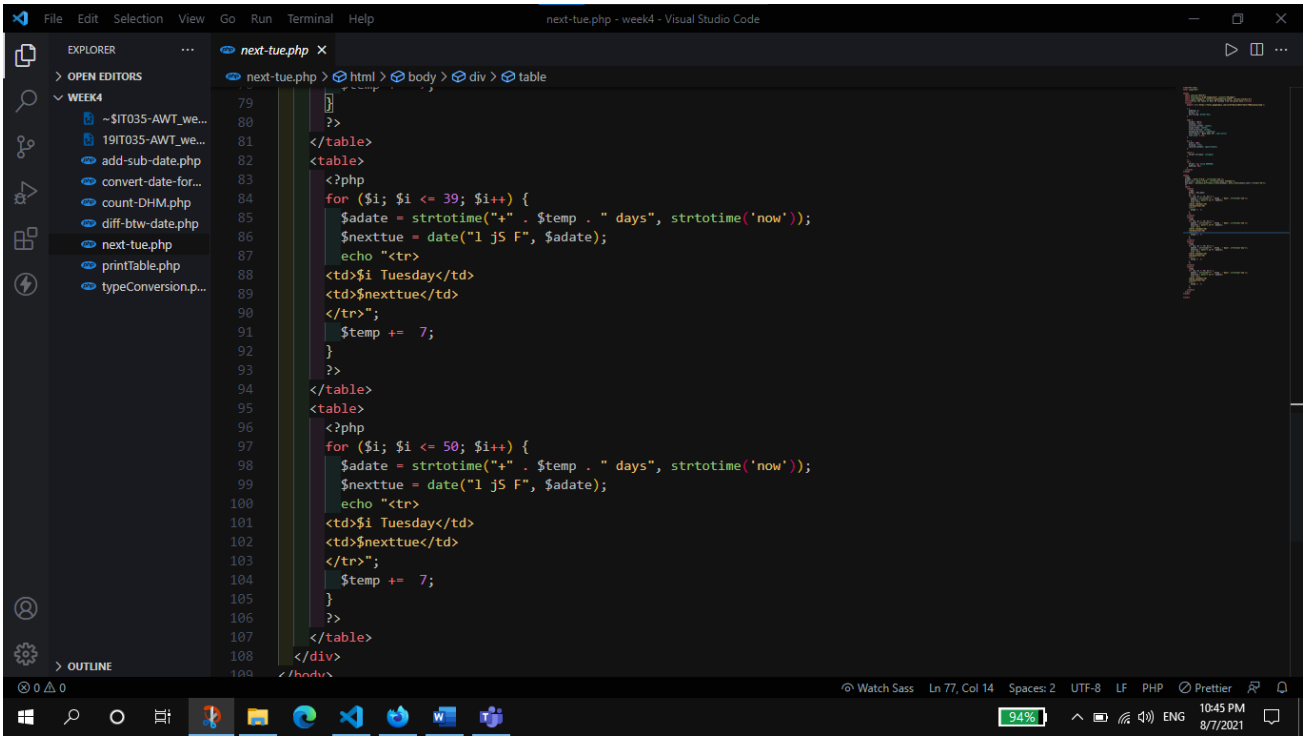
Output:



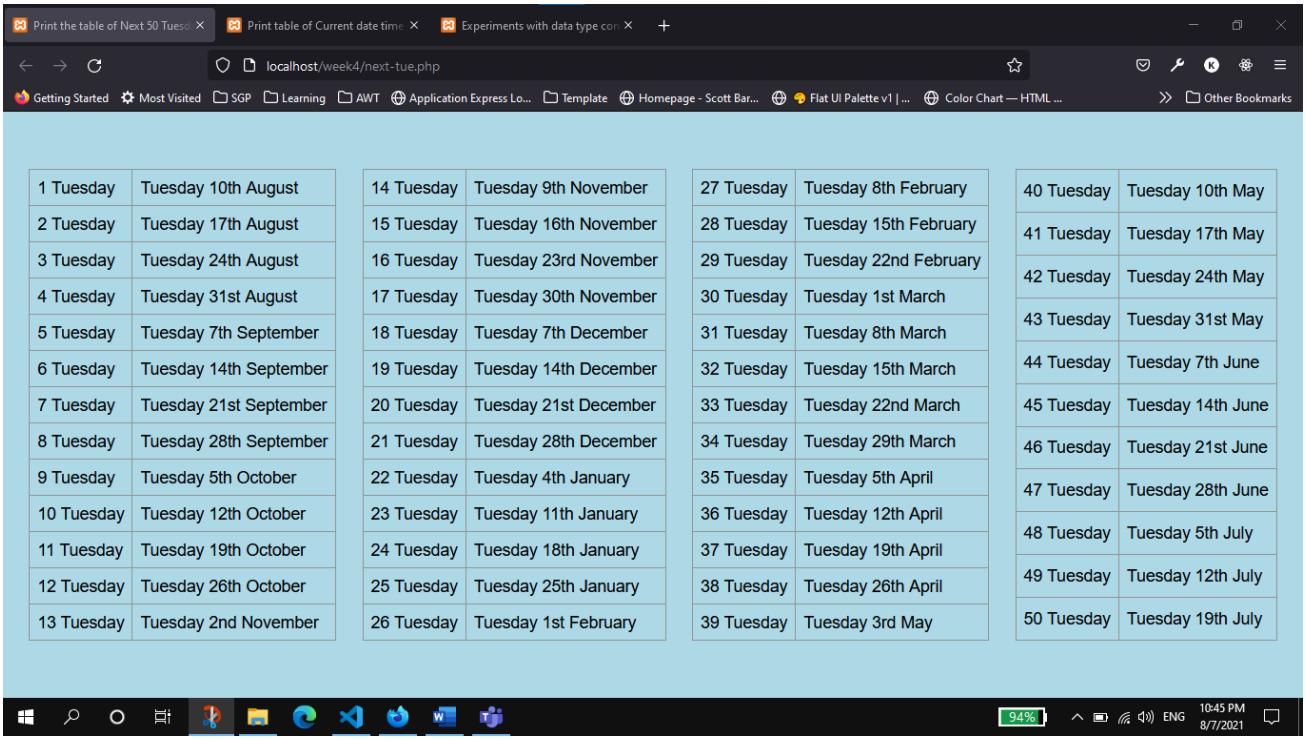
5. Print the table of Next 50 Tuesday from the given date.

Code:





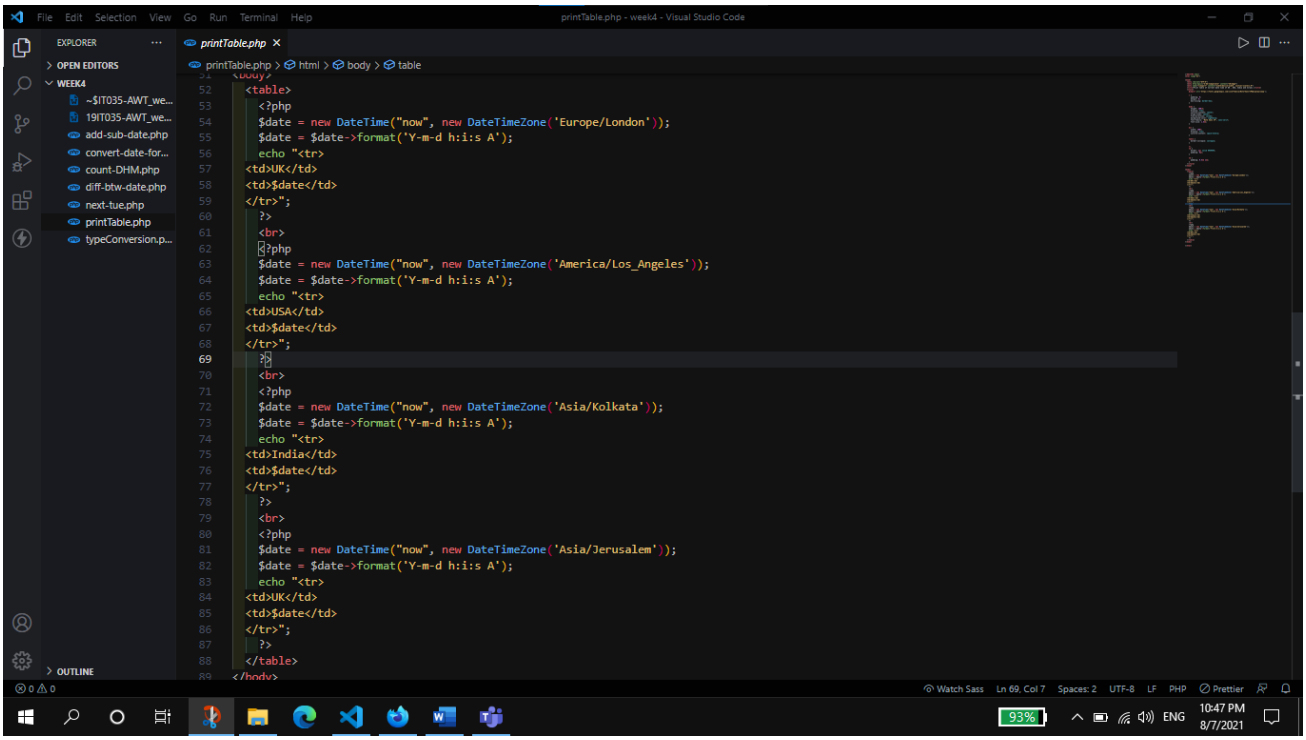
Output:



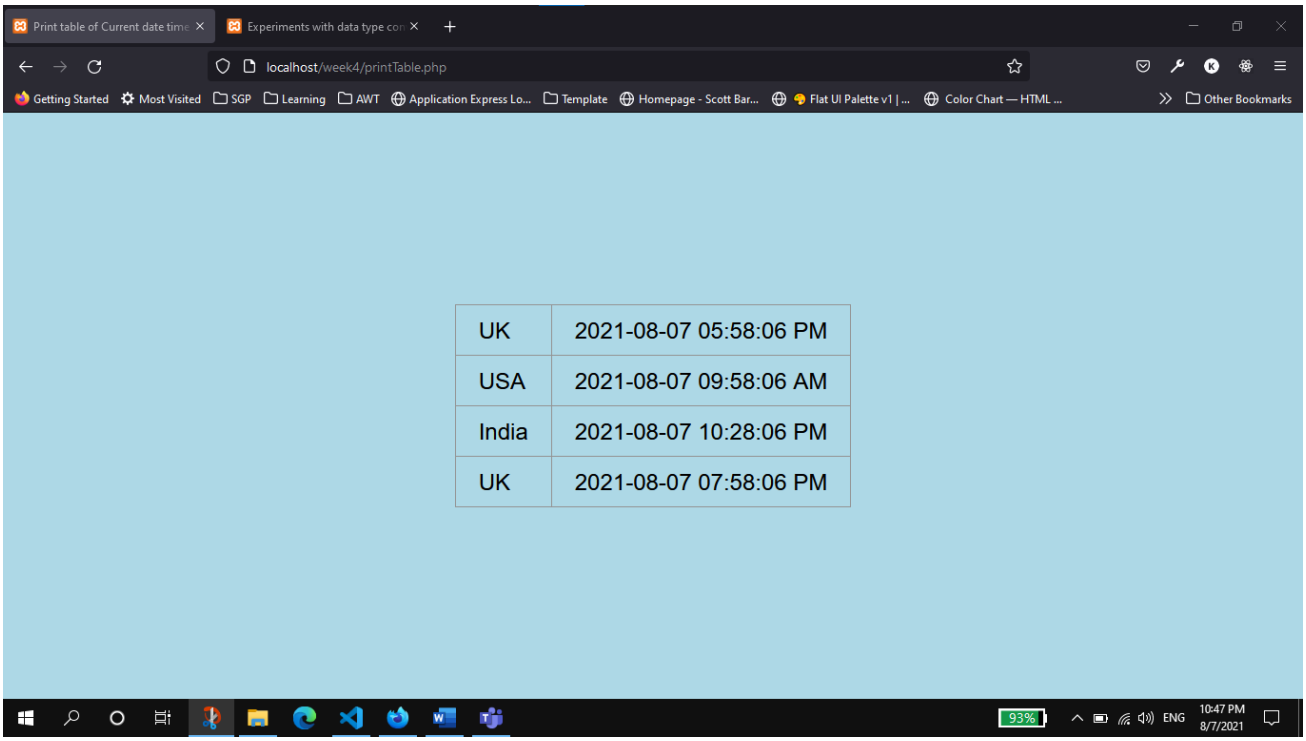
1 Tuesday	Tuesday 10th August	14 Tuesday	Tuesday 9th November	27 Tuesday	Tuesday 8th February	40 Tuesday	Tuesday 10th May
2 Tuesday	Tuesday 17th August	15 Tuesday	Tuesday 16th November	28 Tuesday	Tuesday 15th February	41 Tuesday	Tuesday 17th May
3 Tuesday	Tuesday 24th August	16 Tuesday	Tuesday 23rd November	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:



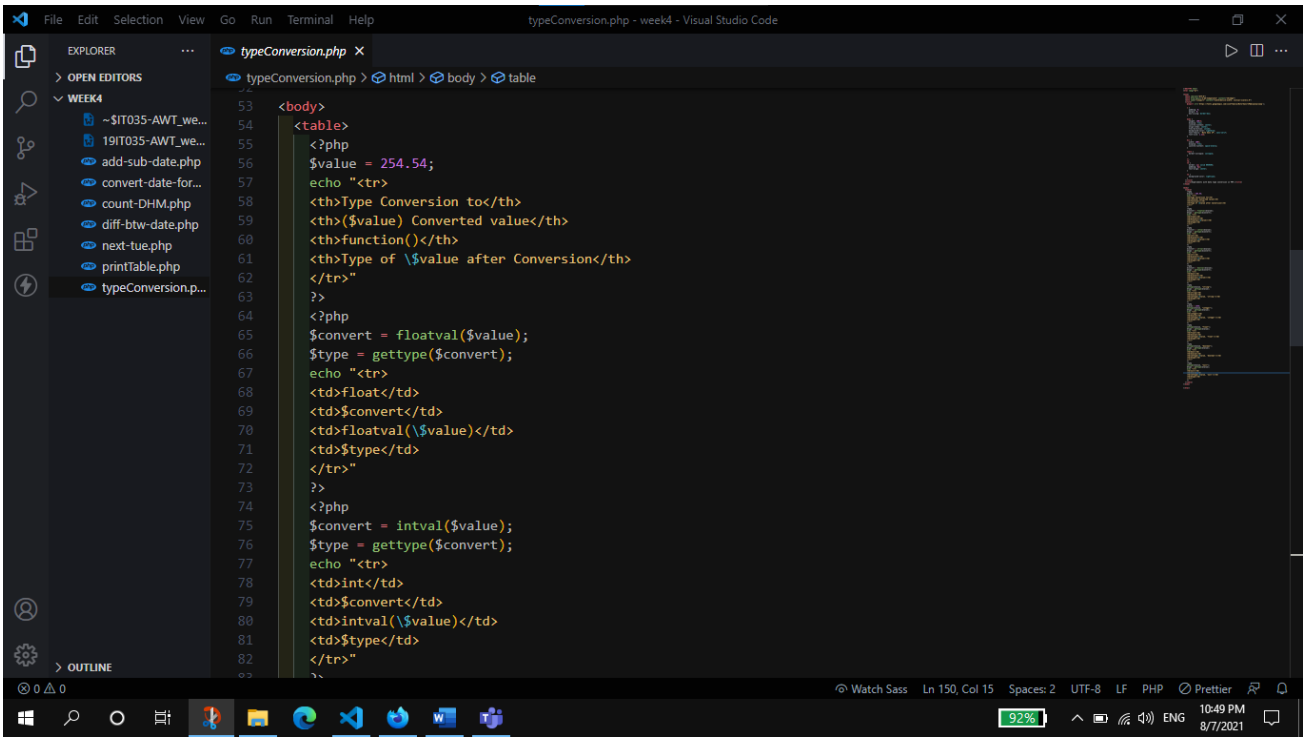
Output:



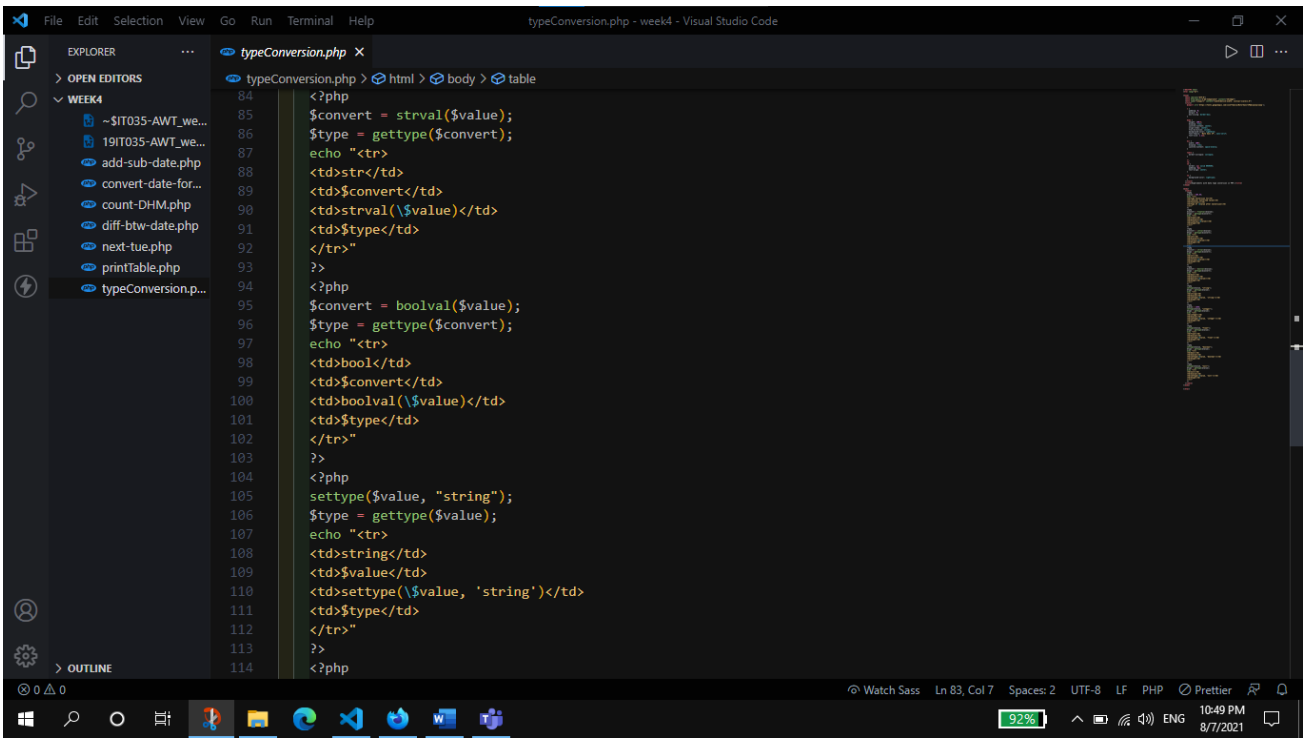
Data Type Conversion

1. Experiments with data type conversion in PHP.

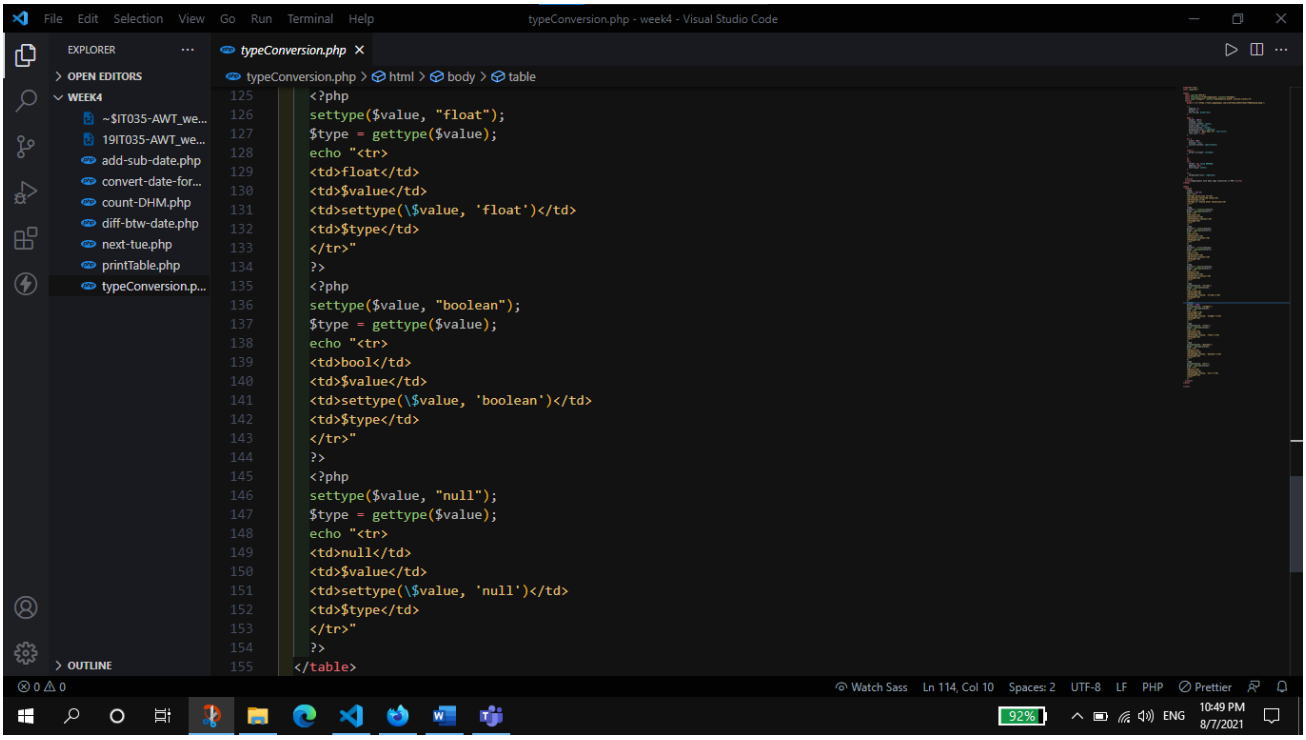
Code:



```
<body>
  <table>
    <?php
    $value = 254.54;
    echo "<tr>
    <th>Type Conversion to</th>
    <th>($value) Converted value</th>
    <th>function()</th>
    <th>Type of \$value after Conversion</th>
    </tr>"
    ?>
    <?php
    $convert = floatval($value);
    $type = gettype($convert);
    echo "<tr>
    <td>float</td>
    <td>$convert</td>
    <td>floatval(\$value)</td>
    <td>$type</td>
    </tr>"
    ?>
    <?php
    $convert = intval($value);
    $type = gettype($convert);
    echo "<tr>
    <td>int</td>
    <td>$convert</td>
    <td>intval(\$value)</td>
    <td>$type</td>
    </tr>"
```

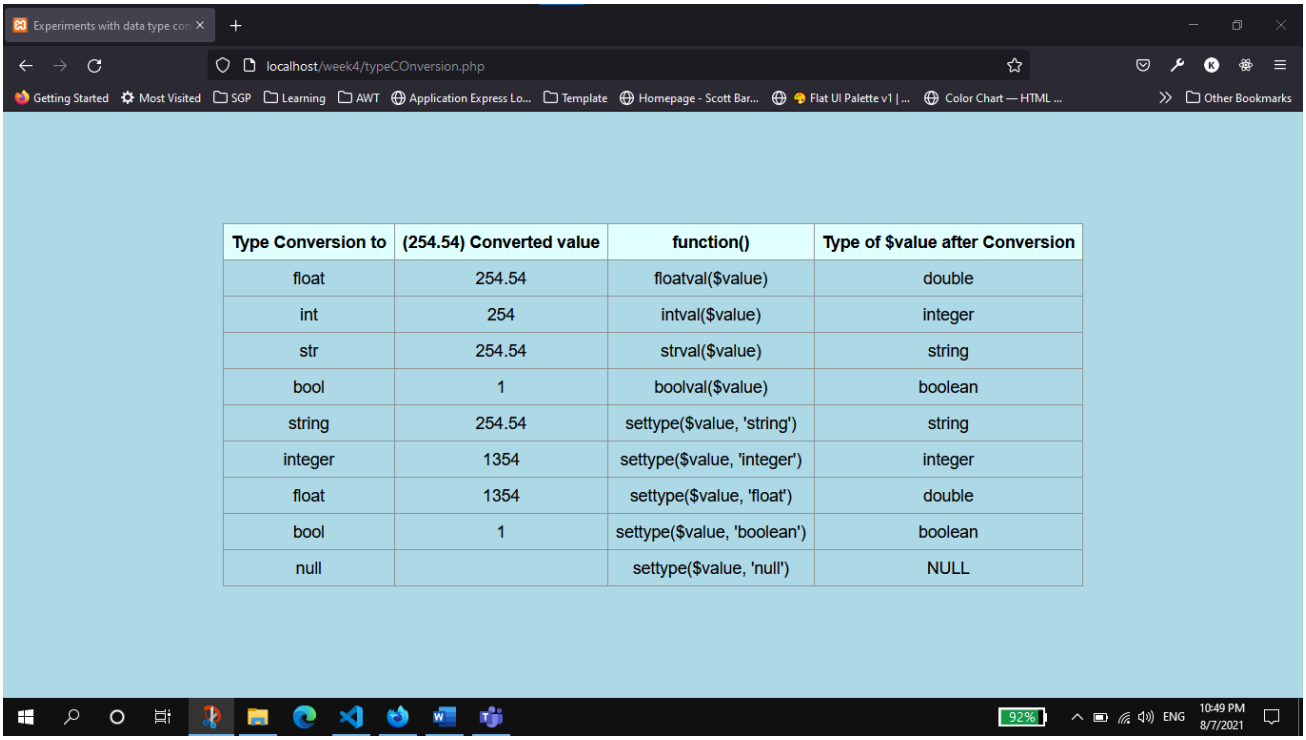


```
    <?php
    $convert = strval($value);
    $type = gettype($convert);
    echo "<tr>
    <td>str</td>
    <td>$convert</td>
    <td>strval(\$value)</td>
    <td>$type</td>
    </tr>"
    ?>
    <?php
    $convert = boolval($value);
    $type = gettype($convert);
    echo "<tr>
    <td>bool</td>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



```php
<?php
settype($value, "float");
$type = gettype($value);
echo "<tr>
<td>float</td>
<td>$value</td>
<td>settype(\$value, 'float')</td>
<td>$type</td>
</tr>"
?>
<?php
settype($value, "boolean");
$type = gettype($value);
echo "<tr>
<td>bool</td>
<td>$value</td>
<td>settype(\$value, 'boolean')</td>
<td>$type</td>
</tr>"
?>
<?php
settype($value, "null");
$type = gettype($value);
echo "<tr>
<td>null</td>
<td>$value</td>
<td>settype(\$value, 'null')</td>
<td>$type</td>
</tr>"
?>
</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