```
<!-- Q1. create a html document to display the folowing list -->
<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Question 1</title>
</head>

<body>
    <h2>List of Indian States with their capital
        <ol>
            <li>Delhi <ul>
                    <li>New Delhi</li>
                </ul>
            </li>
            <li>Haryana <ul>
                    <li>Chandigarh</li>
                </ul>
            </li>
            <li>Gujrat <ul>
                    <li>Gandhinagar</li>
                </ul>
            </li>
            <li>Rajsthan <ul>
                    <li>Jaipur</li>
                </ul>
            </li>
            <li>Maharashtra <ul>
                    <li>Mumbai</li>
                </ul>
            </li>
            <li>Uttarpradesh <ul>
                    <li>Lucknow</li>
                </ul>
            </li>
        </ol>
    </h2>
</body>

</html>


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```html
<!-- create following bootstrap web layout design thera are 9 blocks of the region in the
arrangement. you can either place the images in them of the contents -->
<!DOCTYPE html>
<html lang="en">

<head>
   <meta charset="UTF-8">
   <meta name="viewport" content="width=device-width, initial-scale=1.0">
   <link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/bootstrap@4.0.0/dist/css/bootstrap.min.css"

integrity="sha384-Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJISAwiGgFAW/dAi
S6JXm" crossorigin="anonymous">
   <title>Question 2</title>
   <style>
     td {
        background-color: red;
        text-align: center;
     }
   </style>
</head>

<body>
   <table class="table table-bordered">
     <tbody>
       <tr>
          <td colspan="1">block 1</td>
          <td colspan="3">block 2</td>
       </tr>
       <tr>
          <td colspan="2" rowspan="2">block 3</td>
          <td rowspan="3">block 6</td>
          <td>block 7</td>
       </tr>
       <tr>
          <td>block 8</td>
       </tr>
       <tr>
          <td>block 4</td>
          <td>block 5</td>
          <td>block 9</td>
       </tr>
     </tbody>
   </table>
</body>
```

```html
</html>


************************************************
<!-- Q3. write a script to accept two integers (use html form having 2 textboxes) write a php
script to,
a. find mod of the two numbers.
b. find power of first number raised to the second.
c. find the sum of first n numbers(first number)
d. find the facrotial of second number.
(write separate function for each of the above operations) -->
<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Input</title>
</head>

<body>
    <h2>
        <form method="post">
            <label for="n1">Integer 1 :</label>
            <input type="number" name="n1" required>
            <br><br>
            <label for="n2">Integer 2 :</label>
            <input type="number" name="n2" required>
            <br><br>
            <input type="submit" name="submit" value="Calculate">
        </form>
        <h2>
            <?php
            if (isset($_POST['submit'])) {
                $n1 = $_POST["n1"];
                $n2 = $_POST["n2"];
                echo "<br><br>$n1 % $n2 = " . mod($n1, $n2) . "<br><br>";
                printf("%d ^ %d = %d<br><br>", $n1, $n2, power($n1, $n2));
                printf("Sum of %d natural numbers is %d<br><br>", $n1, sumn($n1));
                printf("factorial of %d is %d<br><br>", $n2, factorial($n2));
            }
            function mod($n1, $n2)
            {
                return $n1 % $n2;
```

```php
        }
        function power($n1, $n2)
        {
           return $n1 ** $n2;
        }
        function sumn($n1)
        {
           $s = 0;
           for ($i = 1; $i <= $n1; $i++)
              $s += $i;
           return $s;
        }
        function factorial($n2)
        {
           $f = 1;
           for ($i = 1; $i <= $n2; $i++)
              $f *= $i;
           return $f;
        }

        ?>
      </h2>
</body>

</html>
```

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*******************************************
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```php
<!-- Q4 create your array of 30 high temperatures, approximating the weather for a spring
month, then find the average high temp, the five warmest high temps and the five coolest high
temps. display the result on the browser.-->
<?php
$temp = array(
   25, 27, 29, 29, 30, 30, 32, 31, 31, 32,
   30, 31, 32, 33, 33, 31, 30, 32, 30, 31,
   32, 32, 33, 33, 33, 34, 35, 37, 36, 38);

$avg_temp = (int)(array_sum($temp)/30);
$temp = array_unique($temp);
rsort($temp);
echo "<center><h2>Average high Temperature is $avg_temp&deg</h2>";
echo "<h2>The five warmest high temperatures are : ";
for ($i = 0; $i < 5; $i++)
   echo $temp[$i]."&deg  ";
echo "</h2>";
```

```php
sort($temp);
echo "<h2>The five coolest high temperatures are : ";
for ($i = 0; $i < 5; $i++)
    echo $temp[$i]."&deg  ";
echo "</h2></center>";
```

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```php
<!-- Q5. Write a program to read one file and display the contents of the file with its size. -->
<?php
echo "<h2>Contents of the file \"php.txt\" : </h2>";
echo "<h3>\"";
readfile("file.txt");
echo "\"</h3>";

$f = fopen("file.txt", "r");
echo "<h3>Size of file is " . fstat($f)[7] . " Bytes.</h3>";
```