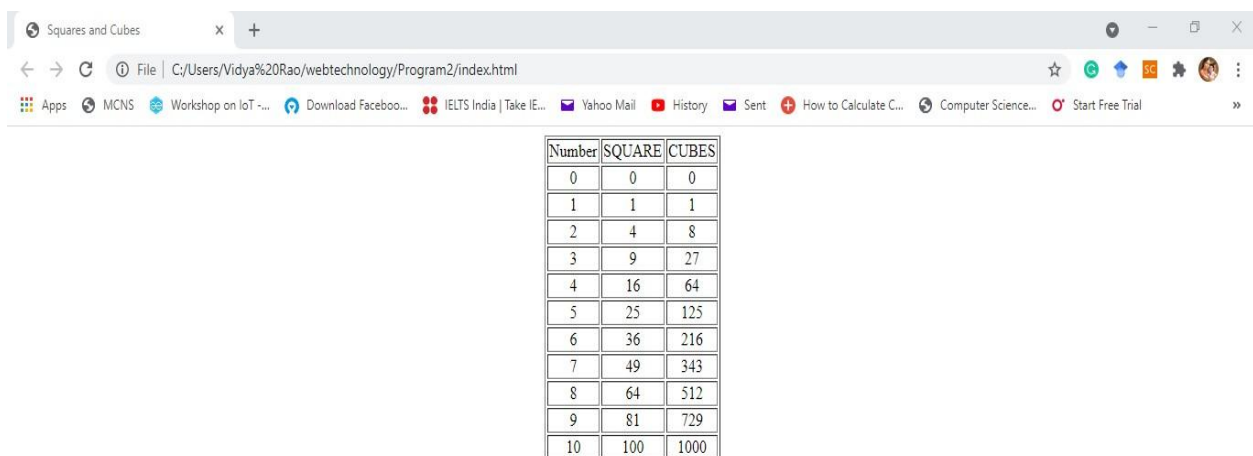


Vaishnavi Desai – 2TG19CS055

Program-2: Write a JavaScript that calculates the squares and cubes of the numbers from 0 to 10 and outputs HTML text that displays the resulting values in an HTML table format.

```
<!--Write a JavaScript that calculates the squares and cubes of the numbers from 0 to 10 and outputs HTML text that displays the
resulting values in an HTML table format. -->
<!DOCTYPE html>
<html>
<head>
  <title>Squares and Cubes</title>
  <style>
    table,td,th{
      border:2px solid black;
    }
    h4{
      color:blueviolet;
    }
    table{
      width: 50%;
      background-color: lightblue;
      border-collapse: collapse;
    }
  </style>
</head>
<body>
  <table border="1" align="center">
    <th colspan="3">Numbers from 0 to 10 with their squares and cubes </th>
    <tr>
      <th>Number</th>
      <th>SQUARE</th>
      <th>CUBES</th>
    </tr>
    <script type="text/javascript">
      for(var i=0;i<=10;i++)
      {
        document.write("<tr align='center'> <td>" + i + "</td><td>" + i*i + "</td><td>" + i*i*i + "</td></tr>")
      }
    </script>
  </table>
  <h4 align="center"> Assignment 2 challenge completed</h4>
</body>
</html>
```

Output:



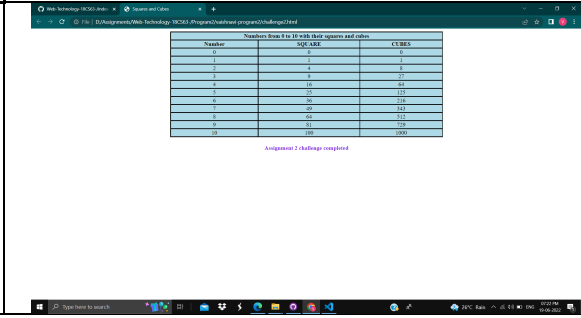
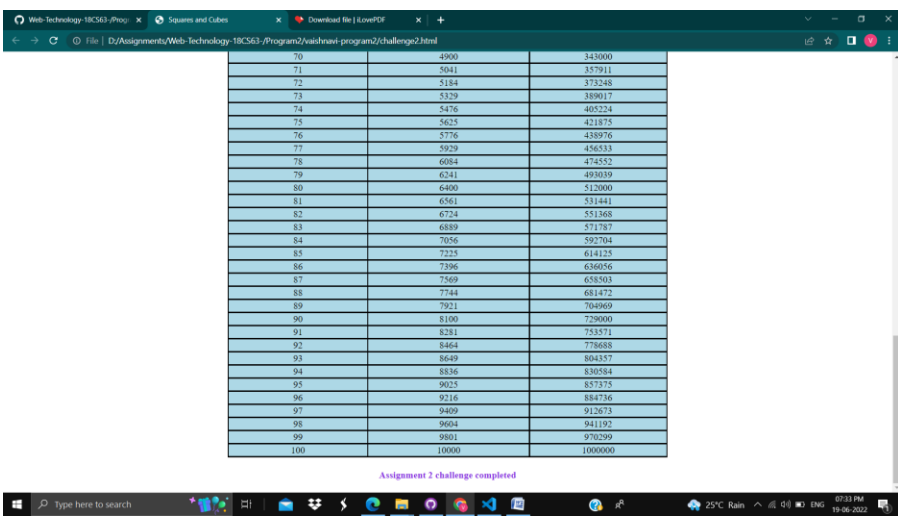
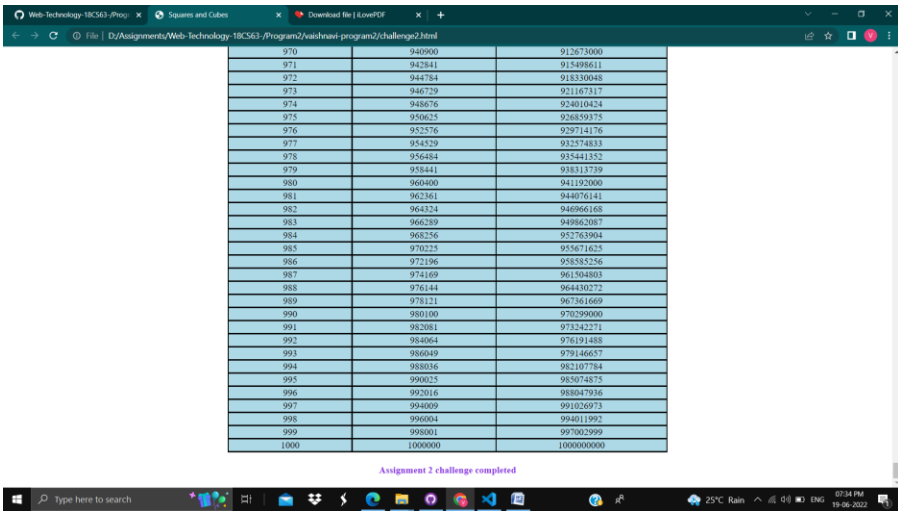
Number	SQUARE	CUBES
0	0	0
1	1	1
2	4	8
3	9	27
4	16	64
5	25	125
6	36	216
7	49	343
8	64	512
9	81	729
10	100	1000

Assignment 2 challenge completed

Numbers from 0 to 10 with their squares and cubes		
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Assignment 2 challenge completed

Test Cases for challenge:

Test No.	Input Parameters	Output image																																																																																																
1	i=0 to 10, increment of i+1	 <p>The screenshot shows a web browser window with a table titled "Numbers from 0 to 10 with their squares and cubes". The table has three columns: "Number", "SQR (x^2)", and "CUBES (x^3)". The data is as follows:</p> <table border="1"> <thead> <tr> <th>Number</th> <th>SQR (x^2)</th> <th>CUBES (x^3)</th> </tr> </thead> <tbody> <tr><td>0</td><td>0</td><td>0</td></tr> <tr><td>1</td><td>1</td><td>1</td></tr> <tr><td>2</td><td>4</td><td>8</td></tr> <tr><td>3</td><td>9</td><td>27</td></tr> <tr><td>4</td><td>16</td><td>64</td></tr> <tr><td>5</td><td>25</td><td>125</td></tr> <tr><td>6</td><td>36</td><td>216</td></tr> <tr><td>7</td><td>49</td><td>343</td></tr> <tr><td>8</td><td>64</td><td>512</td></tr> <tr><td>9</td><td>81</td><td>729</td></tr> <tr><td>10</td><td>100</td><td>1000</td></tr> </tbody> </table> <p>Assignment 1 challenge completed</p>	Number	SQR (x^2)	CUBES (x^3)	0	0	0	1	1	1	2	4	8	3	9	27	4	16	64	5	25	125	6	36	216	7	49	343	8	64	512	9	81	729	10	100	1000																																																												
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