

Program-1: 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>

</head>

<body>

    <table border="1" align="center">

        <tr>

            <td>Number</td>

            <td>SQUARE</td>

            <td>CUBES</td>

        </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>")

            }

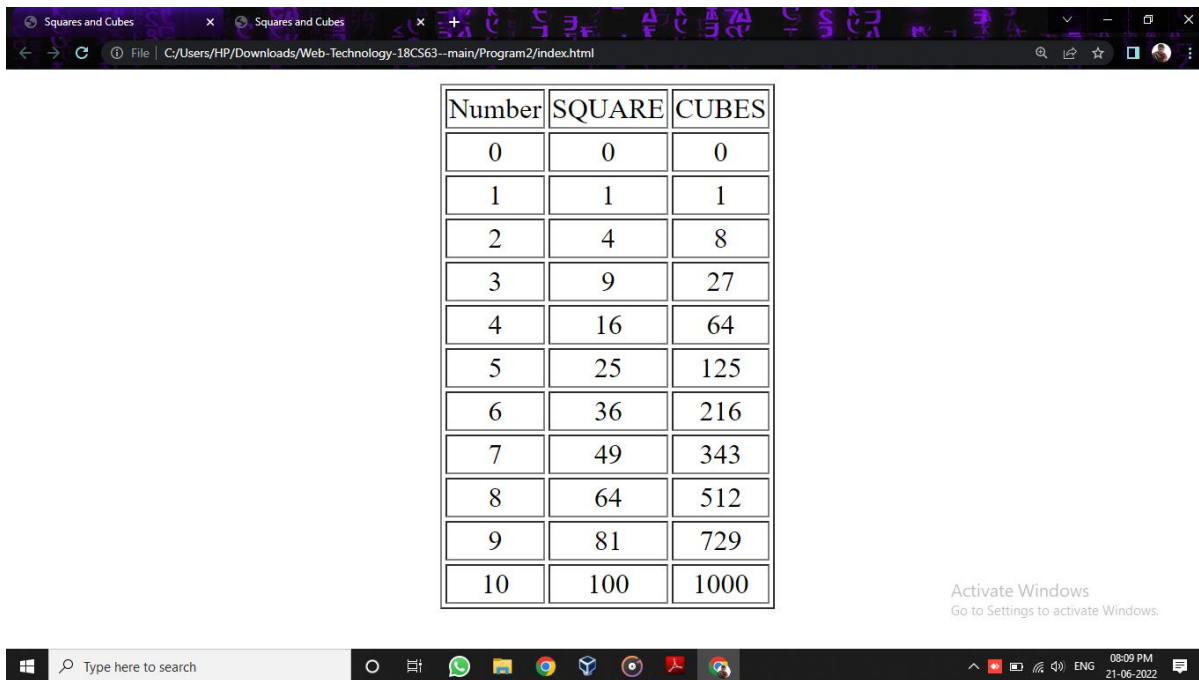
        </script>

    </table>

</body>

</html>
```

OUTPUT:



A screenshot of a web browser window titled "Squares and Cubes". The address bar shows the file path "C:/Users/HP/Downloads/Web-Technology-18CS63--main/Program2/index.html". The browser displays a table with three columns: "Number", "SQUARE", and "CUBES". The table contains data for numbers from 0 to 10. The background of the browser window is a purple and blue abstract pattern. At the bottom of the browser window, there is a Windows taskbar with various icons and a system clock showing 08:09 PM on 21-06-2022. An "Activate Windows" watermark is visible in the bottom right corner of the browser window.

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

TEST CASES:

```
<!DOCTYPE html>
<html>

<head>
  <title>Squares and Cubes</title>
</head>

<body>
  <table border="1" align="center" style="background-color: skyblue;">

    <style>
      #blink{ text-align: center;
        color: blue;}
    </style>
    <tr>
      <th colspan="3">Numbers from 0 to 10with thier squares and Cubes</th>
    </tr>
    <tr align="center">
      <td>Number</td>
      <td>Squares</td>
      <td>Cubes</td>
    </tr>
```

```

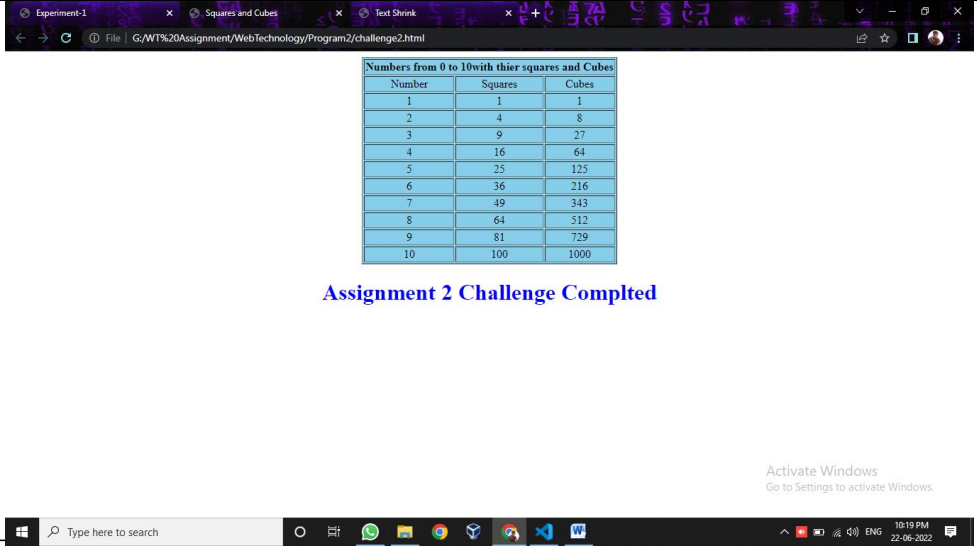
<script type="text/javascript">

    for (var i = 1; i <= 10;i++) {
        document.write("<tr align='center'><td>" + i + "</td><td>" + i * i +
"</td><td>" + i * i * i + "</td></tr>")

    }
</script>

</table>
<h1 id="blink" >Assignment 2 Challenge Complted</h1>
</body>
</html>

```

Test No.	Input Parameters	Output image																																	
1	i=0 to 10, increment of i+=1	 <p>The screenshot shows a web browser window with the title 'Experiment-1'. The address bar shows the file path 'G:\WT%20Assignment\WebTechnology\Program2\challenge2.html'. The main content area displays a table titled 'Numbers from 0 to 10with thier squares and Cubes' (note the typo 'thier'). The table has three columns: 'Number', 'Squares', and 'Cubes'. The data rows are as follows:</p> <table border="1"> <thead> <tr> <th>Number</th><th>Squares</th><th>Cubes</th></tr> </thead> <tbody> <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>Below the table, the text 'Assignment 2 Challenge Completed' is displayed in blue. At the bottom of the browser window, there is a Windows taskbar with the search bar and various application icons. A Windows watermark 'Activate Windows Go to Settings to activate Windows.' is visible in the bottom right corner.</p>	Number	Squares	Cubes	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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2	i=10 to 100, increment of i+=10	 <p>Numbers from 0 to 10with thier squares and Cubes</p> <table border="1"> <thead> <tr> <th>Number</th><th>Squares</th><th>Cubes</th></tr> </thead> <tbody> <tr><td>10</td><td>100</td><td>1000</td></tr> <tr><td>20</td><td>400</td><td>8000</td></tr> <tr><td>30</td><td>900</td><td>27000</td></tr> <tr><td>40</td><td>1600</td><td>64000</td></tr> <tr><td>50</td><td>2500</td><td>125000</td></tr> <tr><td>60</td><td>3600</td><td>216000</td></tr> <tr><td>70</td><td>4900</td><td>343000</td></tr> <tr><td>80</td><td>6400</td><td>512000</td></tr> <tr><td>90</td><td>8100</td><td>729000</td></tr> <tr><td>100</td><td>10000</td><td>1000000</td></tr> </tbody> </table> <p>Assignment 2 Challenge Completed</p>	Number	Squares	Cubes	10	100	1000	20	400	8000	30	900	27000	40	1600	64000	50	2500	125000	60	3600	216000	70	4900	343000	80	6400	512000	90	8100	729000	100	10000	1000000
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