#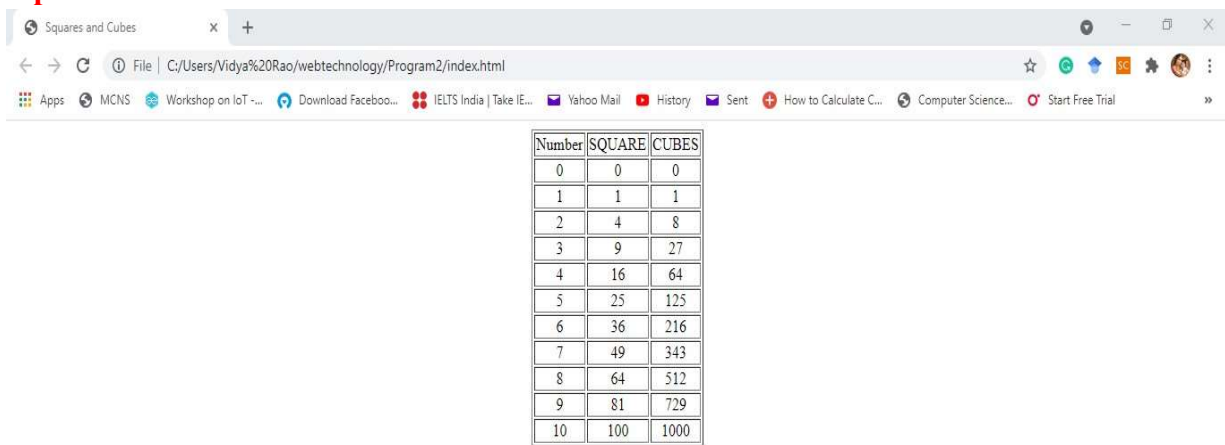 Program-1: Write a JavaScript that calculates the squares and cubes of the numbers from 0 to 10 and outputs HTML text that displays the resulting values in an HTML table format.

```html
<!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:

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

Your assignment should like below with various test cases.
   a. **Output should be like below image (as shown in the class)**
   b. **"Assignmen-2 Challenge Completed" should be blinking.**
   c. **Test case should be filled in as given in the below table.**

```
<!DOCTYPE HTML>

<html>

<head> <style>

table,tr, td {

border: solid black;

width: 33%;

text-align: center;

border-collapse: collapse;

 background-color:rgb(173, 186, 230);

}

table { margin: auto; }

</style>

<script>

document.write("<table><tr><th colspan='3'>NUMBERS FROM 0 TO 10
WITH THEIR SQUARES AND CUBES </th></tr>");
document.write("<tr><td>Number</td><td>Square</td><td>Cube</td></tr>")
;

for(var n=0; n<=10; n++)

{

document.write( "<tr><td>" + n + "</td><td>" + n*n + "</td><td>" + n*n*n +
"</td></tr>" ) ;

}

document.write( "</table>" ) ;

</script>

</head> </html>
```

Output:

NUMBERS FROM 0 TO 10 WITH THEIR SQUARES AND CUBES		
Number	Square	Cube
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

Case 1: i=10 to 100, increment of i+=10

NUMBERS FROM 0 TO 10 WITH THEIR SQUARES AND CUBES		
Number	Square	Cube
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

Case 2: i=100 to 1000, increment of i+=100

NUMBERS FROM 0 TO 10 WITH THEIR SQUARES AND CUBES		
Number	Square	Cube
100	10000	1000000
200	40000	8000000
300	90000	27000000
400	160000	64000000
500	250000	125000000
600	360000	216000000
700	490000	343000000
800	640000	512000000
900	810000	729000000
1000	1000000	1000000000