

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.

Name : Darshan g

Usn: 1JT18IS021

DEPT: ISE

SEM: 6TH

```
<!DOCTYPE HTML>
<html>
<head>
    <body>
        <h1 style="color : red ;" ><blink>1JT18IS021</blink></h1>
<style> table,tr,td
{
border: inset ;
width: 33%;
text-align: center;
border-collapse: collapse;
background-color:#7ffd4;
}
body{
    text-align: center;
}
h1{
    animation: blinker 1s linear infinite;color: red;
}
h2{
    animation: blinker 0.5s linear infinite;color: blue;
}
@keyframes blinker {
    50% { opacity: 0; }
}
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>

<h2 style="font-family: arial;" align="center" ><blink>Assignment 2 Challenge
completed</blink></h2>

</body>

</head>

</html>

```

Output :

1JT18IS021

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

Assignment 2 Challenge completed

Assignment 2 challenge completed and USN both texts are blinking..

Case 1: NUMBERS FROM 0 TO 10 WITH THEIR SQUARES AND CUBES WITH THE INCREMENT OF 10

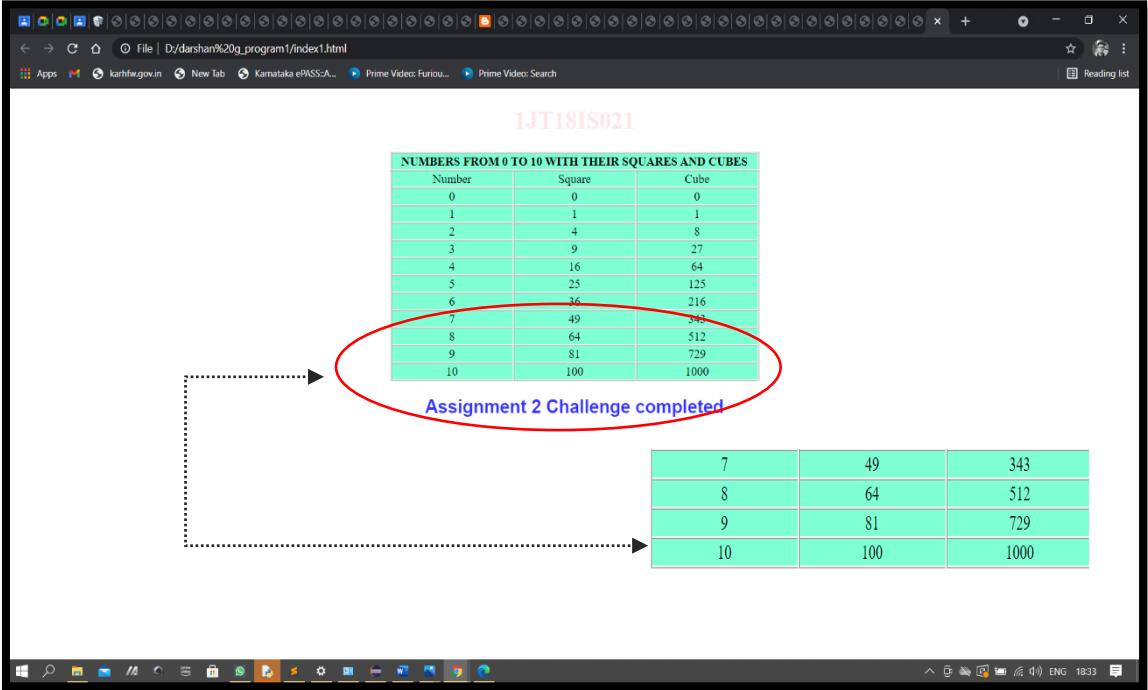
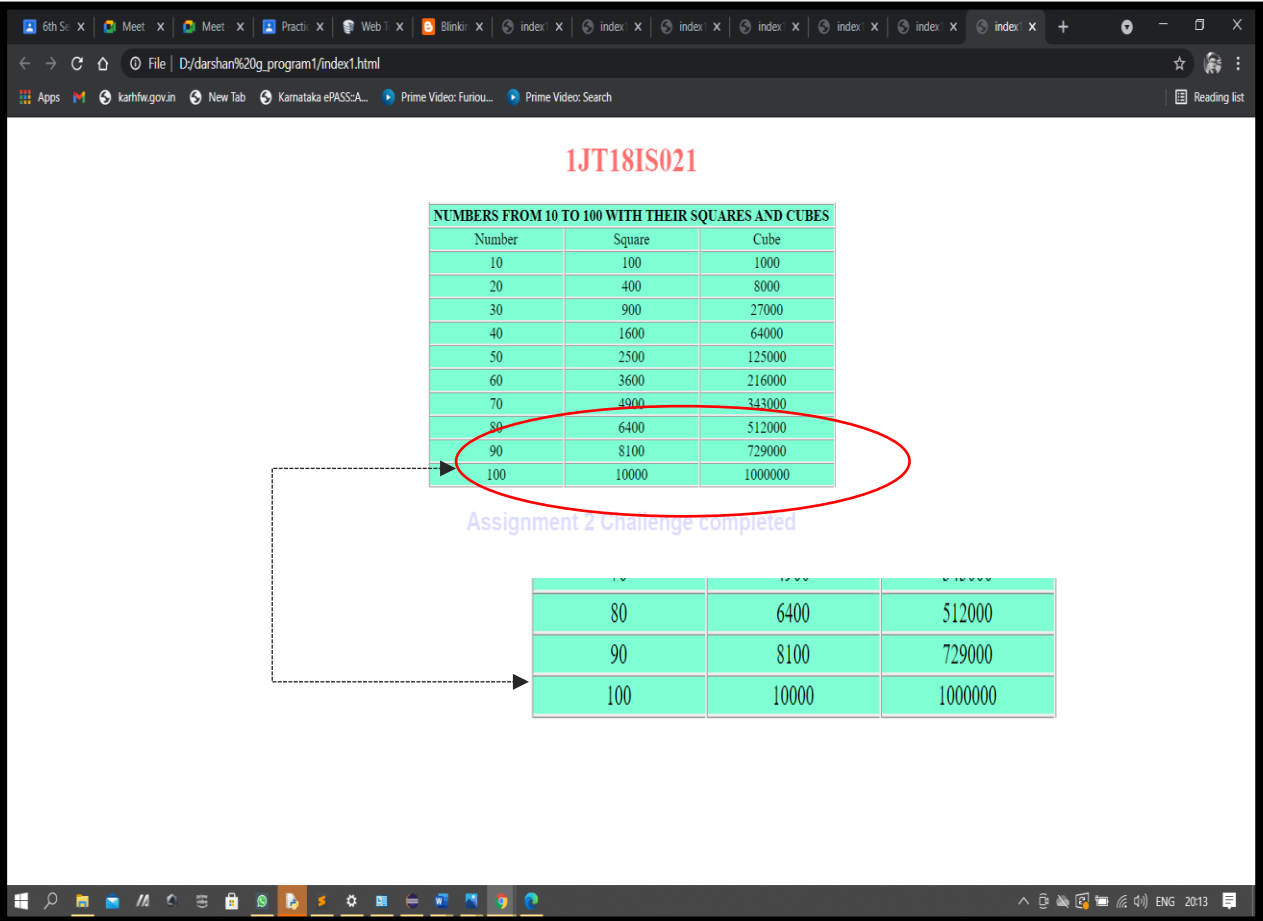
```
for(var n=0; n<=10; n++)
{
    document.write( "<tr><td>" + n + "</td><td>" + n*n + "</td><td>" + n*n*n + "</td></tr>" );
}
```

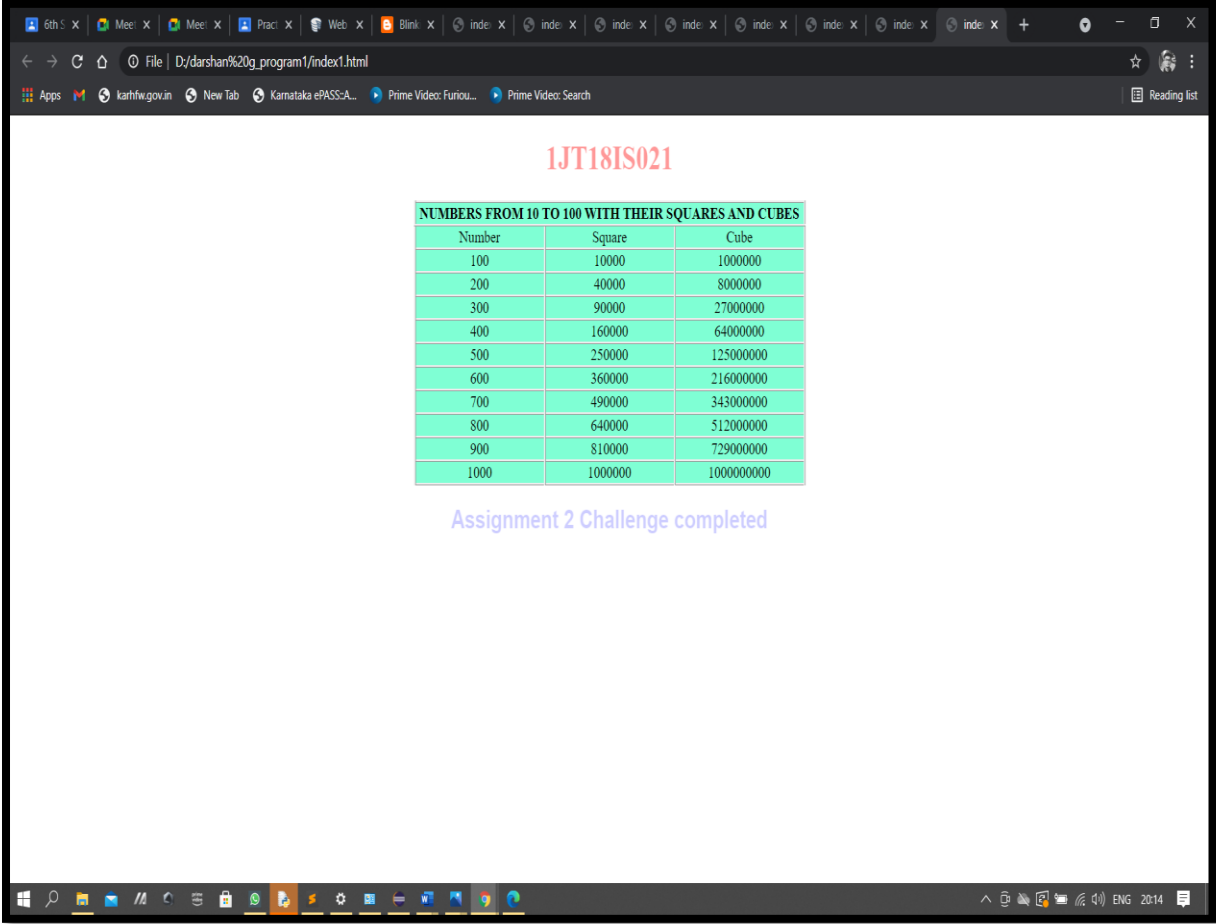
Case 2: NUMBERS FROM 10 TO 100 WITH THEIR SQUARES AND CUBES WITH THE INCREMENT OF 10

```
for(var n=10; n<=100; n++)
    if(n%10==0)
{
    document.write( "<tr><td>" + n + "</td><td>" + n*n + "</td><td>" + n*n*n + "</td></tr>" );
}
```

Case 3: NUMBERS FROM 100 TO 1000 WITH THEIR SQUARES AND CUBES WITH THE INCREMENT OF 10

```
for(var n=100; n<=1000; n++)
    if(n%100==0)
{
    document.write( "<tr><td>" + n + "</td><td>" + n*n + "</td><td>" + n*n*n + "</td></tr>" );
}
```

Test no.	Input Parameters	Output Images																																																
1.	i=0 to 10, increment of i+1	 <p>1JT18IS021</p> <table><thead><tr><th>Number</th><th>Square</th><th>Cube</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 2 Challenge completed</p> <table><tbody><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>	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	7	49	343	8	64	512	9	81	729	10	100	1000
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																																																
7	49	343																																																
8	64	512																																																
9	81	729																																																
10	100	1000																																																
2.	i=10 to 100, increment of i+10	 <p>1JT18IS021</p> <table><thead><tr><th>Number</th><th>Square</th><th>Cube</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> <table><tbody><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>	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	80	6400	512000	90	8100	729000	100	10000	1000000						
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																																																
80	6400	512000																																																
90	8100	729000																																																
100	10000	1000000																																																

Test no.	Input Parameters	Output Images																																	
3.	i=100 to 1000, increment of i+100	 <p>The screenshot shows a web browser window with a single tab titled 'File D:/darshan%20program1/index1.html'. The address bar shows the file path. The browser's toolbar includes back, forward, and refresh buttons. The main content area displays a table titled 'NUMBERS FROM 10 TO 100 WITH THEIR SQUARES AND CUBES'. The table has three columns: 'Number', 'Square', and 'Cube'. The data rows range from 100 to 1000 in increments of 100. Below the table, the text 'Assignment 2 Challenge completed' is displayed in a purple font. The browser's taskbar at the bottom shows various application icons and the system clock indicating 20:14 on 11/11/2024.</p> <table border="1"><caption>NUMBERS FROM 10 TO 100 WITH THEIR SQUARES AND CUBES</caption><thead><tr><th>Number</th><th>Square</th><th>Cube</th></tr></thead><tbody><tr><td>100</td><td>10000</td><td>1000000</td></tr><tr><td>200</td><td>40000</td><td>8000000</td></tr><tr><td>300</td><td>90000</td><td>27000000</td></tr><tr><td>400</td><td>160000</td><td>64000000</td></tr><tr><td>500</td><td>250000</td><td>125000000</td></tr><tr><td>600</td><td>360000</td><td>216000000</td></tr><tr><td>700</td><td>490000</td><td>343000000</td></tr><tr><td>800</td><td>640000</td><td>512000000</td></tr><tr><td>900</td><td>810000</td><td>729000000</td></tr><tr><td>1000</td><td>1000000</td><td>1000000000</td></tr></tbody></table> <p>Assignment 2 Challenge completed</p>	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
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																																	

-----THANK YOU-----

