

Course Code: CT2207	Course Name: Lab: Web Technologies
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Name of Student: Badal Wanjari	Semester/ Section: 3 rd / B
Roll No: 140	Enroll No: 20011045

Practical No: 6

Aim: Write JavaScript Program to 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.

THEORY:

- Program:**

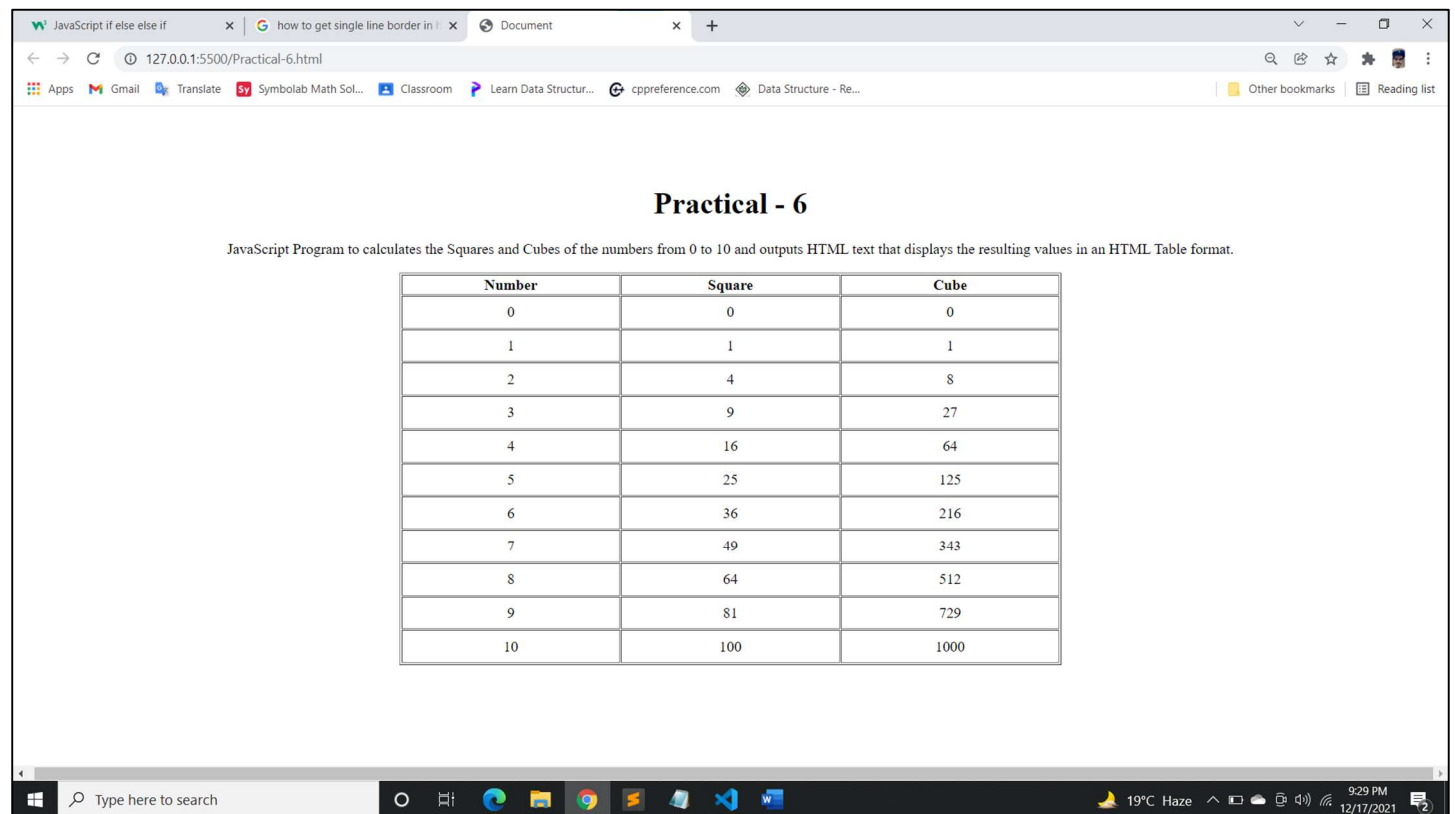
```
<!DOCTYPE html>
<html Lang="en">
<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Document</title>
  <style>
    body{
      display: flex;
      justify-content: center;
      align-items: center;
      flex-direction: column;
      height: 90vh;
      width: 100%;
      font-size: 1.325rem;
    }
    .container{
      width: fit-content;
      height: fit-content;
    }
    h1{
      text-align: center;
    }
    td{
      padding: 10px 5px;
      width: 300px;
      text-align: center;
    }
  </style>
</head>
```

```

<body>
  <div class="main">
    <h1>Practical - 6</h1>
    <p>JavaScript Program to 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.</p>
  </div>
  <div id="container"></div>
</body>
<script>
  var n = 10;
  var str = "<table border=2px solid
black><tr><th>Number</th><th>Square</th><th>Cube</th></tr>";
  for(let i = 0 ; i<=10; i++){
    str = str + "<tr><td>" + i + "</td><td>" + i*i + "</td><td>" + i*i*i + "</td></tr>";
  }
  str = str + "</table>";
  var box = document.getElementById('container');
  box.innerHTML = str;
</script>
</html>

```

OUTPUT SCREEN SHOTS:



Practical - 6

JavaScript Program to 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.

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

CONCLUSION:

I have studied looping statements in JavaScript. I have successfully completed Practical-6.