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.

```html
<!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>Squares & Cubes</title>
    <style>
        table,
        th,
        td {
            border: 1px solid black;
            border-collapse: collapse;
        }
    </style>
</head>
<body>
    <table style="margin: 0 auto;">
        <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

Squares and Cubes of numbers 0-10

Program 2 Challenge:

```
<!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>Program_2-Squares & Cubes</title>
  <style>
    body {
      background-color: #f7f7f7;
      overflow: hidden;
    }

    table {
      width: 30%;
      background-color: #a2ccda;
    }

    table,
    th,
    td {
      border: 2px solid black;
      border-collapse: collapse;
      text-align: center;
    }

    .heading {
      font-size: 1rem;
```

```css
          text-transform: uppercase;
          font-weight: bold;
          padding: 15px;
      }

      .sub-heading {
          font-weight: bold;
          padding: 8px 0;
      }

      td {
          padding: 3px 0;
      }

      .blink {
          animation: 2s linear infinite condemned_blink_effect;
          text-align: center;
          font-size: 1rem;
          color: rgb(7, 29, 71);
      }

      @keyframes condemned_blink_effect {
        0% {
            visibility: hidden;
        }

        50% {
            visibility: hidden;
        }

        100% {
            visibility: visible;
        }
      }
    </style>
</head>
<body>
    <table style="margin: 0 auto;">
      <th colspan="3" class="heading">Numbers from 0 to 10 with their Squares and
Cubes</th>
      <tr>
        <td class="sub-heading">NUMBER</td>
        <td class="sub-heading">SQUARE</td>
        <td class="sub-heading">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>
    <p class="blink">Assignment 2 Challenge Completed!!!</p>
</body>
</html>
```

Challenge Output:

NUMBERS FROM 0 TO 10 WITH THEIR SQUARES AND CUBES		
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!!!

Squares and Cubes of numbers 0-10 with added CSS and Blinking Text