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## PRACTICAL - 04

4. Create an HTML page with the sole purpose to show multiplication tables of 2 to 10 (row-wise) created by JavaScript. Initially, the page is blank. With help of the setInterval function, print a row every 5 seconds in different colors and increase font size.

### CODE :

#### HTML FILE

```
prach.html > html > body > table#content.center
1  <!DOCTYPE html>
2  <html>
3    <head>
4      <title>Practical 4</title>
5      <meta charset="utf-8" />
6      <link href="https://cdn.jsdelivr.net/npm/remixicon@3.5.0/fonts/remixicon.css" rel="stylesheet">
7      <link rel="stylesheet" href="style.css">
8
9
10   </head>
11   <body>
12     <nav id="nav">
13       <div class="icons">
14         <i class="ri-html5-fill"></i>
15         <i class="ri-css3-fill"></i>
16         <i class="ri-javascript-fill"></i>
17       </div>
18       <div id="heading">
19       </div>
20     </nav>
21     <table class="center" id="content"></table>
22     <script src="script.js"></script>
23   </body>
24 </html>
```

## Style.css

```
# style.css > 📄 nav
1  *{
2      margin: 0;
3      padding: 0;
4      box-sizing: border-box;
5      background-color: #f2f2f2;
6      /* background-color: aqua; */
7      background-image: url(https://images.unsplash.com/photo-1586876100131-32585c71d8d2?auto=format&fit=crop&q=88&w=987&ixlib=rb-4.0.3&
8
9  }
10 nav{
11     height: 60px;
12     display: flex;
13     align-items: end;
14     box-shadow: 0px 2px 3px 0px rgb(134, 134, 134);
15     margin-bottom: 10px;
16     z-index: 100px;
17     background-color: rgb(221, 111, 111);
18     align-items: center;
19     column-gap: 43%;
20 }
21
22 table {
23     border: 1px solid black;
24     border-collapse: collapse;
25     width: 55%;
26     height: 25vw;
27     margin: auto;
28     box-shadow: 4px 20px 20px 2px #ced5ff;
29 }
30
31
32 td,th ,tr{
33
34     font-family: 'Courier New', Courier, monospace;
35     font-weight: bold;
36     background-color: #ffff;
37     background-image: #ffff;
38     border: 1px solid black;
39     border-radius: 30%;
40     padding: 5px;
41
42     border-spacing: 30px;
43     border-collapse: collapse;
44 }
45 .center {
46     text-align: center;
47 }
48 #heading{
49     background-color: none;
50     align-self: center;
51     font-family: 'Courier New', Courier, monospace;
52     font-weight: bold;
53     font-size: 30px;
54
55 }
```

## Script.js

```
JS script.js > printrow
1 let div = document.createElement("div");
2 let nav = document.getElementById("nav");
3 let title = document.getElementById("heading");
4
5 const getRandomColor = function () {
6     let a = Math.floor(Math.random() * 200);
7     let b = Math.floor(Math.random() * 200);
8     let c = Math.floor(Math.random() * 200);
9     return `rgb(${a},${b},${c})`;
10 };
11 var tbl = document.getElementById("content");
12 var number = 2;
13 var abc = setInterval(printrow, 2000);
14 function printrow() {
15     let color=getRandomColor();
16     // console.log(color);
17     div.style.color = color;
18     nav.style.boxShadow=`0px 2px 3px 0px ${color}`;
19     tbl.style.boxShadow=`0px 2px 3px 0px ${color}`;
20     title.innerText=`Table of ${number}`
21     // title.style.backgroundColor=color;
22     if (number == 10) {
23         clearInterval(abc);
24     }
25     var result = "";
26     for (var i = 1; i <= 10; i++) {
27         result = result + "<td>" + number + "x" + i + "=" + number * i + "</td>";
28     }
29     number++;
30     var row = document.createElement("tr");
31     row.style.color = color;
32     row.style.fontSize = number + 12 + "px";
33     row.innerHTML = result;
34     tbl.append(row);
35 }
```

OUTPUT :



2x1=2	2x2=4	2x3=6	2x4=8	2x5=10	2x6=12	2x7=14	2x8=16	2x9=18	2x10=20
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2x1=2	2x2=4	2x3=6	2x4=8	2x5=10	2x6=12	2x7=14	2x8=16	2x9=18	2x10=20
3x1=3	3x2=6	3x3=9	3x4=12	3x5=15	3x6=18	3x7=21	3x8=24	3x9=27	3x10=30

2x1=2	2x2=4	2x3=6	2x4=8	2x5=10	2x6=12	2x7=14	2x8=16	2x9=18	2x10=20
3x1=3	3x2=6	3x3=9	3x4=12	3x5=15	3x6=18	3x7=21	3x8=24	3x9=27	3x10=30
4x1=4	4x2=8	4x3=12	4x4=16	4x5=20	4x6=24	4x7=28	4x8=32	4x9=36	4x10=40
5x1=5	5x2=10	5x3=15	5x4=20	5x5=25	5x6=30	5x7=35	5x8=40	5x9=45	5x10=50
6x1=6	6x2=12	6x3=18	6x4=24	6x5=30	6x6=36	6x7=42	6x8=48	6x9=54	6x10=60

2x1=2	2x2=4	2x3=6	2x4=8	2x5=10	2x6=12	2x7=14	2x8=16	2x9=18	2x10=20
3x1=3	3x2=6	3x3=9	3x4=12	3x5=15	3x6=18	3x7=21	3x8=24	3x9=27	3x10=30
4x1=4	4x2=8	4x3=12	4x4=16	4x5=20	4x6=24	4x7=28	4x8=32	4x9=36	4x10=40
5x1=5	5x2=10	5x3=15	5x4=20	5x5=25	5x6=30	5x7=35	5x8=40	5x9=45	5x10=50
6x1=6	6x2=12	6x3=18	6x4=24	6x5=30	6x6=36	6x7=42	6x8=48	6x9=54	6x10=60
7x1=7	7x2=14	7x3=21	7x4=28	7x5=35	7x6=42	7x7=49	7x8=56	7x9=63	7x10=70
8x1=8	8x2=16	8x3=24	8x4=32	8x5=40	8x6=48	8x7=56	8x8=64	8x9=72	8x10=80
9x1=9	9x2=18	9x3=27	9x4=36	9x5=45	9x6=54	9x7=63	9x8=72	9x9=81	9x10=90
10x1=10	10x2=20	10x3=30	10x4=40	10x5=50	10x6=60	10x7=70	10x8=80	10x9=90	10x10=100