WEB DEVELOPMENT

PRACTICAL 10,11,12

Name: Vrishav Garg

Roll No.: 12111051

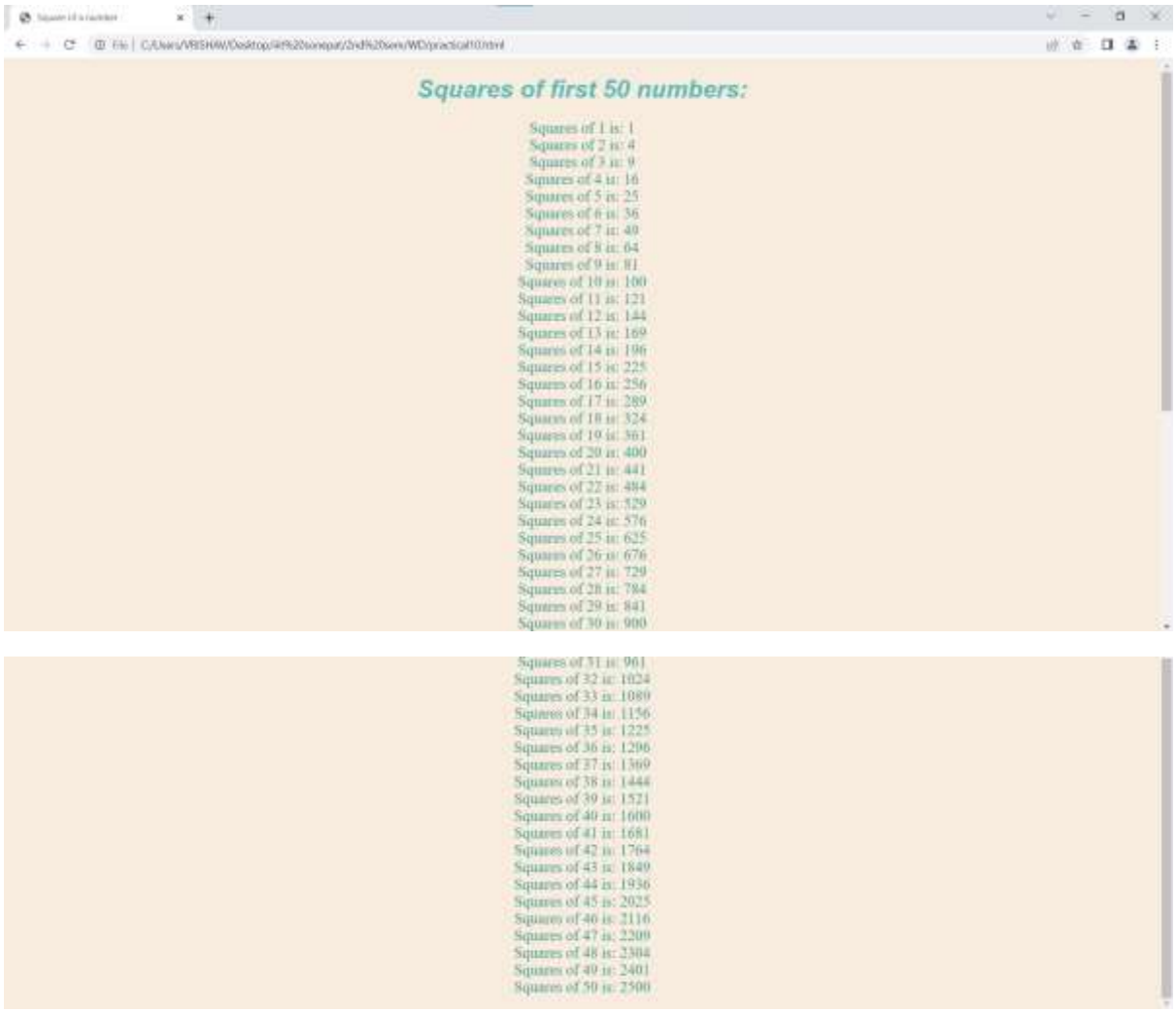
Branch: CSE

PRACTICAL 10:

CODE:

```
<!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>Square of a number</title>
    <style>
        body{
            background-color: #F7ECDE;
        }
        p{
            text-align: center;
            color: #18978F;
            font-size: 20px;
        }
        h1{
            color: #54BAB9;
            text-align: center;
            font-family: Arial, Helvetica, sans-serif;
            font-style: italic;
        }
    </style>
</head>
<body>
    <h1>Squares of first 50 numbers:</h1>
    <script>
        document.write("<p>")
        for(let i=1; i<=50; i++){
            document.write("Squares of ",i," is: ",i*i,"<br>");
        }
        document.write("<\p>");
    </script>
</body>
</html>
```

Output:


Squares of first 50 numbers:
Squares of 1 is: 1
Squares of 2 is: 4
Squares of 3 is: 9
Squares of 4 is: 16
Squares of 5 is: 25
Squares of 6 is: 36
Squares of 7 is: 49
Squares of 8 is: 64
Squares of 9 is: 81
Squares of 10 is: 100
Squares of 11 is: 121
Squares of 12 is: 144
Squares of 13 is: 169
Squares of 14 is: 196
Squares of 15 is: 225
Squares of 16 is: 256
Squares of 17 is: 289
Squares of 18 is: 324
Squares of 19 is: 361
Squares of 20 is: 400
Squares of 21 is: 441
Squares of 22 is: 484
Squares of 23 is: 529
Squares of 24 is: 576
Squares of 25 is: 625
Squares of 26 is: 676
Squares of 27 is: 729
Squares of 28 is: 784
Squares of 29 is: 841
Squares of 30 is: 900

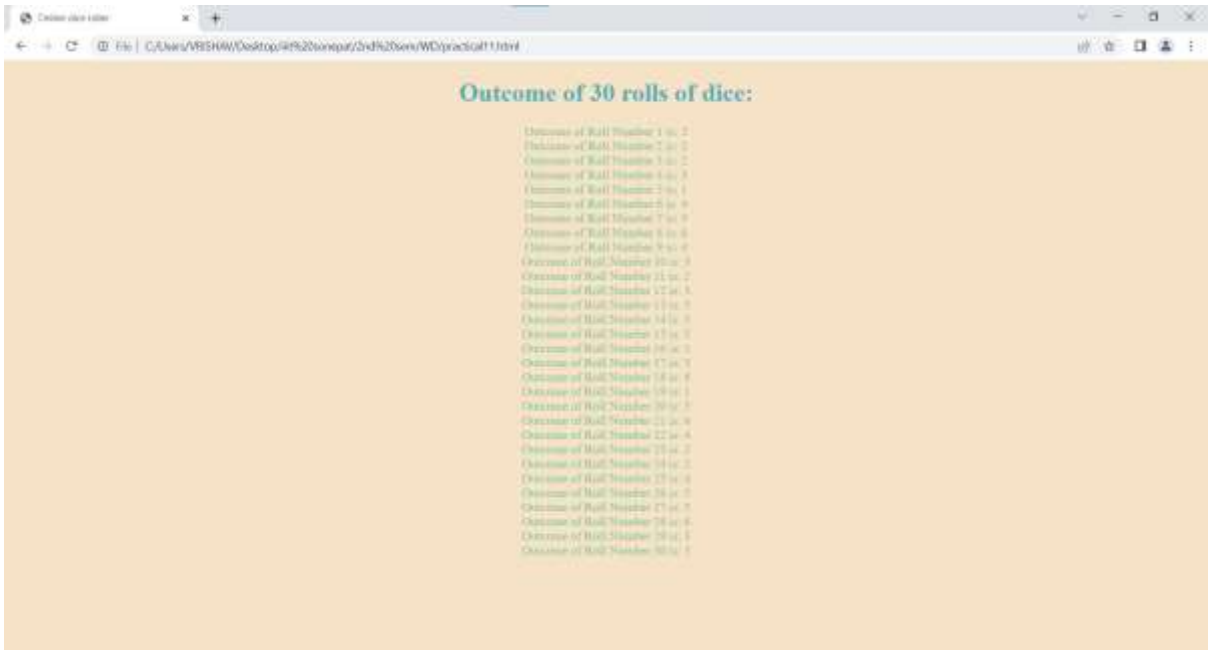
Squares of 31 is: 961
Squares of 32 is: 1024
Squares of 33 is: 1089
Squares of 34 is: 1156
Squares of 35 is: 1225
Squares of 36 is: 1296
Squares of 37 is: 1369
Squares of 38 is: 1444
Squares of 39 is: 1521
Squares of 40 is: 1600
Squares of 41 is: 1681
Squares of 42 is: 1764
Squares of 43 is: 1849
Squares of 44 is: 1936
Squares of 45 is: 2025
Squares of 46 is: 2116
Squares of 47 is: 2209
Squares of 48 is: 2304
Squares of 49 is: 2401
Squares of 50 is: 2500

Practical 11:

Code:

```
<!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>Online dice roller</title>
    <style>
        body{
            background-color: #F6E3C5;
        }
        h1{
            color: #4CACBC;
            text-align: center;
        }
        p{
            color: #6CC4A1;
            text-align: center;
        }
    </style>
</head>
<body>
    <h1>Outcome of 30 rolls of dice:</h1>
    <script>
        document.write("<p>");
        for(let i=1; i<=30; i++){
            document.write("Outcome of Roll Number ",i," is: ",Math.floor(1+Math.random()*6));
            document.write("<br>");
            document.write("<br>");
        }
        document.write("<\p>");
    </script>
</body>
</html>
```

Output:



Practical 12:

Code:

```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>Matrix</title>
</head>
<body>
    <table>
        <tr>
            <th>A</th>
            <th>B</th>
        </tr>
        <tr>
        <script>
            function outer(){
                for(let i=1; i<=5; i++){
                    document.write("<tr>");
                    document.write("<td>",i,"</td>");
                    document.write("<td>");
                    function inner(){
                        for(let j=1; j<=i; j++){
                            document.write(i," ");
                        }
                    }
                    inner();
                    document.write("</td>");
                    document.write("</tr>");
                }
            }
            outer();
        </script>
        </tr>
    </table>
</body>
</html>
```

Output: