Course Code: CT2207	Course Name: Lab: Web Technologies

Name of Students: Badal Wanjari	Semester/ Section: 3rd /B
Roll No: 140	Enroll No: 20011045

Practical No: 5

Aim: Write JavaScript Program for Conditional IF Statement, Conditional IF ELSE Statement, Conditional Nested IF ELSE Statement. (or any example)

THEORY:

- Conditional IF Statement :

  Use the `if` statement to specify a block of JavaScript code to be executed if a condition is true.

  ## Syntax

  ```
  if (condition) {
    //  block of code to be executed if the condition is true
  }
  ```

- Conditional IF ELSE Statement :

  Use the `else` statement to specify a block of code to be executed if the condition is false.

  ```
  if (condition) {
    //  block of code to be executed if the condition is true
  } else {
    //  block of code to be executed if the condition is false
  }
  ```

- Conditional Nested IF ELSE Statement:

  Use the `if-else` statements inside `if-else` statement to run specific statements

  ```
  if (condition) {
    if (condition) {
       //  block of code to be executed if the condition is true
     } else {
      //  block of code to be executed if the condition is false
     }
  ```

```
    } else {

    //  block of code to be executed if the condition is false
    }
```

Program:

```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>Practical - Demonstration of If-else Statement</title>
    <style>
        body, .container, .year, .leap, .header{
            display: flex;
            justify-content: center;
            align-items: center;
            flex-direction: column;
            box-sizing: border-box;
        }
        body{
            width: 100%;
            height: 90vh;
        }
        .container{
            padding: 3% 3%;
            width: 60%;
            height: fit-content;
            box-shadow: 0px 5px 20px rgba(121, 121, 121, 0.37);
        }
        header p {
            font-size: 16px;
            font-family: 'Gill Sans', 'Gill Sans MT', Calibri, 'Trebuchet MS',
sans-serif;
        }
        .year, .leap{
            width: 100%;
            font-size: 4rem;
            height: 100px;
        }

    </style>
</head>
<body>
    <div class="header">
        <h1>Practical 5</h1>
```
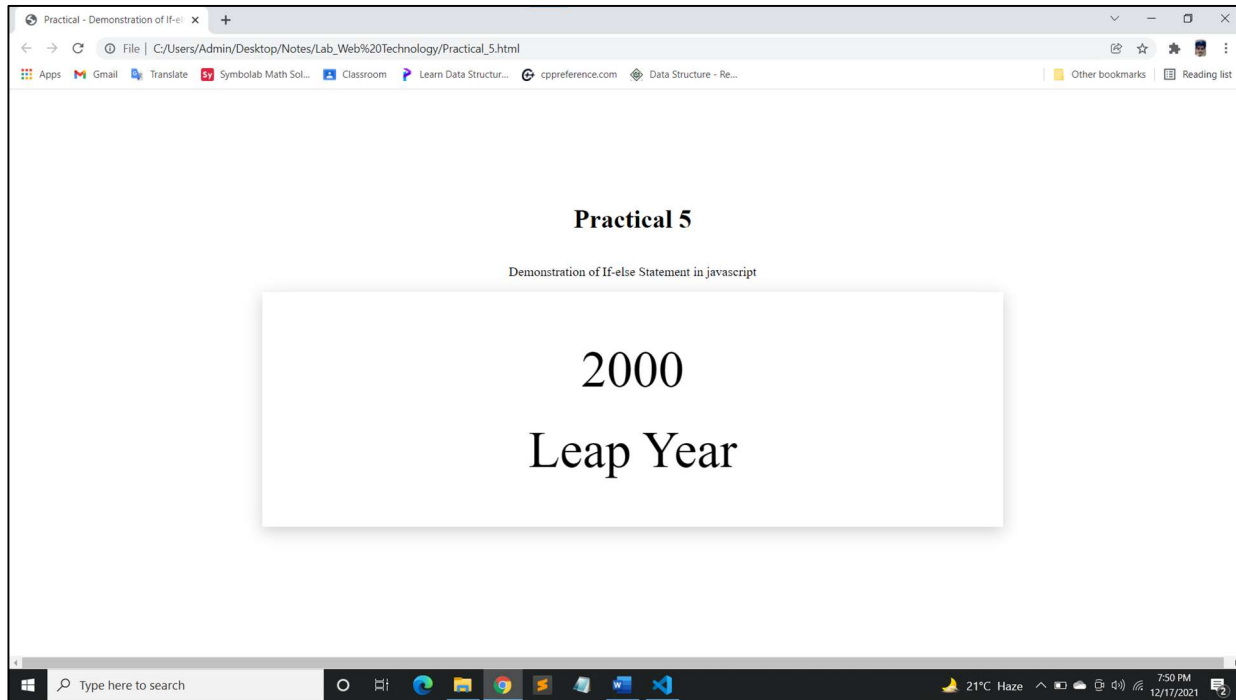
```html
            <p>Demonstration of If-else Statement in javascript</p>
        </div>
        <div class="container">
            <div class="year" id="year">
                <p>Year</p>
            </div>
            <div class="leap" id="leap">
                <p>-----</p>
            </div>
        </div>
    </body>
    <script>
        var year = parseInt(prompt("Enter Year : "));
        var num = document.getElementById("year");
        var text = document.getElementById("leap");
        num.innerText = year;
        var str =" ";
        if(year%100==0){
            if(year%400==0){
                str = "Leap Year";
            }
            else{
                str = "Not a Leap year";
            }
        }
        else if(year%4==0){
            str = "Leap Year";
        }
        else{
            str = "Not a Leap year";
        }
        text.innerText = str;
    </script>
    </html>
```

OUTPUT SCREEN SHOTS:

CONCLUSION:
In this practical, I have studied conditional statements like if, if-else, if-else if-else and nested if else. Therefore successfully completed practical 5.