Name: Deepankar Sharma
Course: BCA
University Roll No: 2092014
Subject: Scripting Languages
Date:

Practical : WAP to check whether an year is leap year based on Gregorian calender.

```html
<!-- // Javascript program to check weather the given year is a leap
year in the Gregorian calender -->
<!DOCTYPE html>
    <html>

    <head>
        <title>Leap Year Checker</title>
        <script>
            // Function to check if a year is a leap year
            function isLeapYear(year) {
                if (year % 4 === 0) {
                    if (year % 100 === 0) {
                        if (year % 400 === 0) {
                            return true; // Divisible by 400, leap
year
                        } else {
                            return false; // Divisible by 100 but not
by 400, not a leap year
                        }
                    } else {
                        return true; // Divisible by 4 but not by 100,
leap year
                    }
                } else {
                    return false; // Not divisible by 4, not a leap
year
                }
            }
            // Function to handle the form submission
            function checkLeapYear() {
                event.preventDefault();
                const yearInput = document.getElementById("year");
                const year = parseInt(yearInput.value);
                const result = document.getElementById("result");

                if (isLeapYear(year)) {
                    result.innerText = year + " is a leap year.";
                } else {
                    result.innerText = year + " is not a leap year.";
                }
            }
        </script>
    </head>

    <body>
```