

WPL - Pgm 7

index.html

```
<html>
  <head>
    <title>Monthly Calendar Generator</title>
    <link rel="stylesheet" type="text/css" href="calStyle.css">
  </head>
  <body>
    <h2><center>MONTHLY CALENDAR GENERATOR<center></h2>
    <br/>
    <script src="calScript.js"></script>

    Enter Year: <input id="currentYear" type="number"
name="year"><br/><br/>
    Enter Month (1-12): <input id="currentMonth" type="number"
name="month"><br/><br/>
    <input type="button" value="Display Calendar"
onclick="generateCalendar()"> <br/>
    <br/>
    <div id="calendarDisplay"></div>
  </body>
</html>
```

calStyle.css

```
table {
  border-collapse: collapse;
  width: 60%;
  margin: 20px auto;
}
```

```
td,th {  
    border: 1px solid #777;  
    padding: 7px;  
    text-align: center;  
}  
  
th {  
    font-weight: 600;  
    background-color: #DDEEFF;  
    color: #333;  
}  
  
td {  
    background-color: #F8F8F8;  
}
```

calScript.js

```
function generateCalendar() {  
    let inputYear = document.getElementById("currentYear").value;  
    let inputMonth = document.getElementById("currentMonth").value;  
    let monthIndex = inputMonth - 1;  
  
    if (!inputYear || !inputMonth || inputMonth < 1 || inputMonth > 12) {  
        document.getElementById("calendarDisplay").innerHTML = "Please enter  
a valid year and a month (1-12).";  
        return;  
    }  
  
    let currentDate = new Date(inputYear, monthIndex);
```

```
let calendarHTML =
'<table><tr><th>Sun</th><th>Mon</th><th>Tue</th><th>Wed</th><th>
>Thu</th><th>Fri</th><th>Sat</th></tr><tr>';

let firstDay = currentDate.getDay();
for (let i = 0; i < firstDay; i++) {
    calendarHTML += '<td></td>';
}

while (currentDate.getMonth() == monthIndex) {
    calendarHTML += '<td>' + currentDate.getDate() + '</td>';

    if (currentDate.getDay() == 6) {
        calendarHTML += '</tr><tr>';
    }

    currentDate.setDate(currentDate.getDate() + 1);
}

let lastDayOfWeek = currentDate.getDay();
if (lastDayOfWeek !== 0) {
    for (let i = lastDayOfWeek; i < 7; i++) {
        calendarHTML += '<td></td>';
    }
}

calendarHTML += '</tr></table>';

document.getElementById("calendarDisplay").innerHTML = calendarHTML;
```

Output

MONTHLY CALENDAR GENERATOR

Enter Year:

Enter Month (1-12):

Sun	Mon	Tue	Wed	Thu	Fri	Sat
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						