

PROGRAMME-7

Aim:

Generate the calendar using Javascript code by getting the year from the user

Code:

style.css

```
.selection {
    text-align: center;
    margin-bottom: 2em;
    background-color:rgb(174, 179, 181);
    width: 100%;
}
#year_get,#month_get{
    padding:5px;
    width:40%;
    margin-top: 1em;
}
input{
    padding: 5px;
    border: 1px solid black;
    border-radius: 5px;
    padding: 1em;
}
.tabselection {
    margin-left: auto;
    margin-right: auto;
    width: 100%;
}
table{
    padding: 5px;
}
tr{

}
.selrow{
    border: none;
    margin-top: 1em;
}
td,th{
    padding: 10px;
    border: 1px solid black;
}
.selcol{
padding:0px;
```

```

border: none;
text-align: center;
}
#calender{
border-collapse: collapse;
margin-left: auto;
margin-right: auto;
}
#resetbtn{
background-color:red;
border: none;
color: white;
width:5em;
padding: .6em;
border-radius: 5px;
}
#subtn{
background-color:green;
border: none;
color: white;
width:10em;
padding:.6em;
border-radius: 5px;
}

```

script.js

```

function generate() {
var init_content = "<table BORDER=1
id='calender'><tr><th>SUN</th><th>MON</th><th>TUE</th><th>WED</th><th>THU</
th><th>FRI</th><th>SAT</th></tr><tr>"
var year_get = document.getElementById("year_get").value;
var month_get = document.getElementById("month_get").value;
month_get -= 1;
switch (month_get) {
case 0: init_content += "<caption><h1>JANUARY<h1></caption>";
break;
case 1: init_content += "<caption><h1>FEBRUARY<h1></caption>";
break;
case 2: init_content += "<caption><h1>MARCH<h1></caption>";
break;
case 3: init_content += "<caption><h1>APRIL<h1></caption>";
break;
case 4: init_content += "<caption><h1>MAY<h1></caption>";
break;
case 5: init_content += "<caption><h1>JUNE<h1></caption>";
break;
case 6: init_content += "<caption><h1>JULY<h1></caption>";
break;
case 7: init_content += "<caption><h1>AUGUST<h1></caption>";
break;

```

```

    case 8: init_content += "<caption><h1>SEPTEMBER</h1></caption>";
        break;
    case 9: init_content += "<caption><h1>OCTOBER</h1></caption>";
        break;
    case 10: init_content += "<caption><h1>NOVEMBER</h1></caption>";
        break;
    case 11: init_content += "<caption><h1>DECEMBER</h1></caption>";
        break;
}

var date = new Date(year_get, month_get);
var day = date.getDay();
for (var i = 0; i < day; i++) {
    init_content += "<td></td>";
}
while (date.getMonth() == month_get) {
    init_content += "<td>" + date.getDate() + "</td>";
    if (date.getDay() % 7 == 6) {
        init_content += "</tr><tr>";
    }
    date.setDate(date.getDate() + 1);
}

while (date.getDay() % 7 != 6 && date.getDay() % 7 != 0) {
    init_content += "<td></td>";
    date.setDate(date.getDate() + 1);
}

if (date.getDay() % 7 > 0) {
    init_content += "<td></td></tr>";
}

init_content += "</table>"
document.getElementById("content").innerHTML = init_content;
}

```

calendar.html

```

<html lang="en">
<head>
    <title>Calender</title>
    <script src="script.js"></script>
    <link rel="stylesheet" href="style.css">
</head>

<body>
    <div class="selection">
        <table class="tabselection" cellspacing="10" width="60%" align="center">
            <caption id="cap"></caption>
            <tbody>

```

```

<tr class="selrow">
  <td class="selcol" colspan="2" ><input id="year_get" type="number"
    placeholder="year"> </td>
</tr>
<tr>
  <td class="selcol" colspan="2" ><input id="month_get" type="number"
    placeholder="month"> </td>
</tr>
<tr class="selrow">
  <td colspan="2" class="selcol" ><input onclick="generate()" type="button" id="subtn"
    value="Generate Calender">
    <input type="reset" value="reset" id="resetbtn"
      onclick="location.reload();"> </td>
</tr>
</tbody>
</table>
</div>
<div id="content"> </div>
</body>
</html>

```

Output:

APRIL

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	
