PROGRAMME:7

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

CODE:

style.css:

```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;
}
```

```css
.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:

```javascript
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;
```

```javascript
        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>OBCTOBAR<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
<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:

A browser window showing a calendar generator application. Input fields display "2021" and "4", with "Generate Calender" and "reset" buttons below.

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	