Experiment-7

Aim: Generate the calendar using JavaScript code by getting the year from the user.

Code:

```
<html>

<head>

<title>calender</title>

<script type="text/javascript">

function calender()

{

  var year=document.getElementById('year').value;

  var mont = new Array();

  mont[0] = "JANUARY";

  mont[1] = "FEBRUARY";

  mont[2] = "MARCH";

  mont[3] = "APRIL";

  mont[4] = "MAY";

  mont[5] = "JUNE";

  mont[6] = "JULY";

  mont[7] = "AUGUST";

  mont[8] = "SEPTEMBER";

  mont[9] = "OCTOBER";

  mont[10] = "NOVEMBER";

  mont[11] = "DECEMBER";

  document.write("<h1>Calender - year "+year+  "</h1>");

  document.write("<table border='1'><tr>");

  for(month=0;month<12;month++)

  {

    dt=new Date(year, month, 01);
```

```javascript
    var first_day=dt.getDay();


    dt.setMonth(month+1,0);


    var last_date=dt.getDate();
    var dte=1;
      if(month == 4 || month == 8)

        {

          document.write("</tr><tr>");

          }

      document.write("<td>");

      document.write("<center><b>" +mont[dt.getMonth()]+ "</b></center>");



document.write("<table><tr><td>Sun</td><td>mon</td><td>tue</td><td>wed</td><td>thu</td><td>fri</td><td>sat</td></tr>");



      for(i=0;i<=41;i++)

      {

        if((i%7)==0)    //if week is over then start a new line

         {

           document.write("</tr><tr>");

         }

        if((i>= first_day) && (dte<= last_date))

         {

           document.write("<td>"+ dte +"</td>");

           dte=dte+1;

          }else
```

```
        {
            document.write("<td>*</td>");
        } //blank date
    } //end of for loop
    document.write("</tr></table>");
    document.write("</td>")
}document.write("</tr></table>");

}
</script>



</head>
<body>
 <p><input type="text" id="year" placeholder="enter year YYYY"/></p>
 <p><input type="button" value="Calender" onclick="calender()"/>



</body>
</html>
```

Output:

2022

Calender

Calender - year 2022

JANUARY

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	31	*	*	*	*	*

FEBRUARY

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	*	*	*	*	*
*	*	*	*	*	*	*

MARCH

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	31	*	*
*	*	*	*	*	*	*

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
*	*	*	*	*	*	*

MAY

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	31	*	*	*	*
*	*	*	*	*	*	*

JUNE

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	*	*
*	*	*	*	*	*	*

JULY

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
31	*	*	*	*	*	*

AUGUST

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	31	*	*	*
*	*	*	*	*	*	*

SEPTEMBER

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	*
*	*	*	*	*	*	*

OCTOBER

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	31	*	*	*	*	*

NOVEMBER

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	*	*	*
*	*	*	*	*	*	*

DECEMBER

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	31
*	*	*	*	*	*	*