

Program No:-7

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

**CODE:-**

```
<html>
<head>
<title>calender</title>
<center>

<script type="text/javascript">
function calender()
{
    var year=document.getElementById('year').value;           //read the cuurent year
    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>"); //table start
    for(month=0;month<12;month++)
    {
        dt=new Date(year, month, 01); //place year,month(0--11),date format(eg:2020,1,1)

        var first_day=dt.getDay(); //first day of present month(which day)

        dt.setMonth(month+1,0); //set to next month and one day backward ie last day of previous
        month(in dt,february s first days previous day ie last day of january ie 2020,1,31)

        var last_date=dt.getDate(); //last day of present month 31(get 31(get number ))

        var dte=1; //day variable for adjustment of starting date

        if(month == 4 || month == 8)
        {
            document.write("</tr><tr>"); //change row after 4 every month
        }
        document.write("<td>");
        document.write("<center><b>" +mont[dt.getMonth()]+ "</b></center>"); //for month name
        in bold
    }
}
```

```
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>");
```

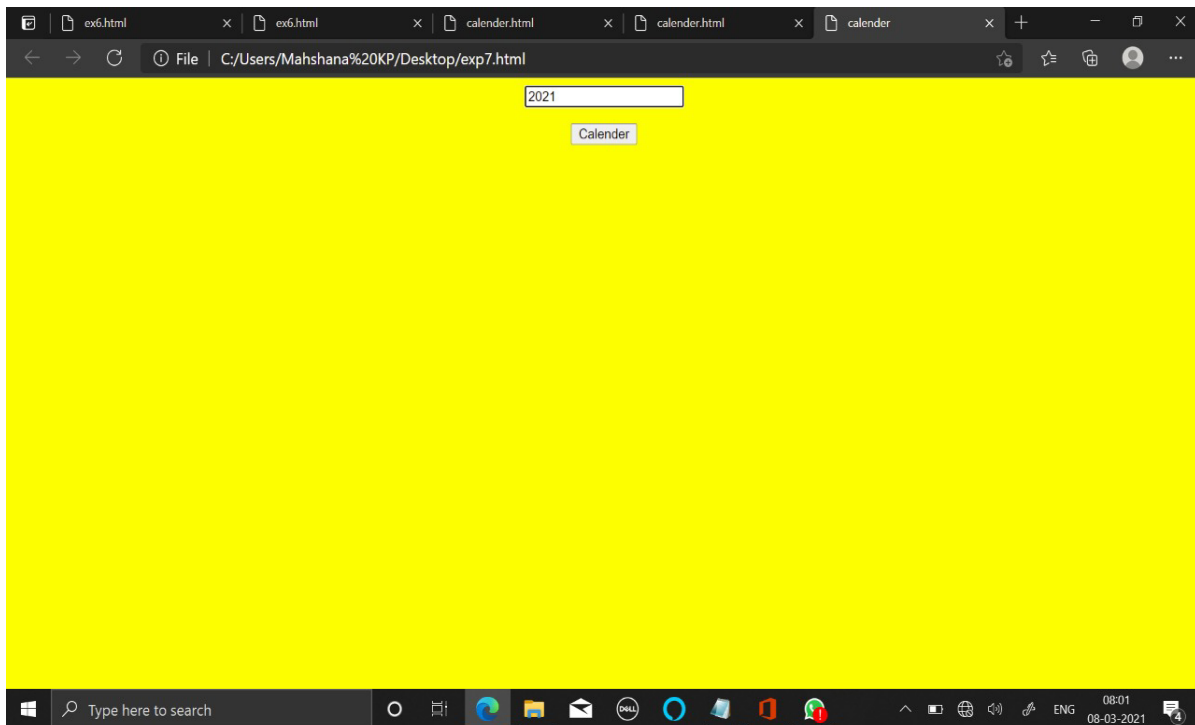
```
    for(i=0;i<=41;i++)
    {
        if((i%7)==0)    //if week is over then start a new line
        {
            document.write("</tr><tr>");
        }
        if((i>= first_day) && (dte<= last_date))
        {
            document.write("<td>" + dte + "</td>");
            dte=dte+1;
        }else
        {
            document.write("<td>*</td>");
        } //blank date
    } //end of for loop
    document.write("</tr></table>");
    document.write("</td>")
}document.write("</tr></table>");

}
</script>
```

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

</body>
</html>
```

**INPUT :-**



Calender - year 2021

JANUARY	FEBRUARY	MARCH	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 31 * * * * *	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 * * * * * * * * * *	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 * * * * * * * *	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	JUNE	JULY	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 * * * * *	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 * * * * * * * *	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 * * * * *	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	OCTOBER	NOVEMBER	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 * * * * * * *	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 * * * * *	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 * * * * * * * * *	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 * * * * * *