

**Programme 7:** Generate the calendar using JavaScript code by getting the year from the user

**Main.html**

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<head>
```

```
  <title>Calender</title>
```

```
</head>
```

```
<body>
```

```
  <script type="text/javascript">
```

```
    function calender() {
```

```
      var year = document.getElementById("year").value;
```

```
      var months = new Array();
```

```
      months[0] = "JANUARY";
```

```
      months[1] = "FEBRUARY";
```

```
      months[2] = "MARCH";
```

```
      months[3] = "APRIL";
```

```
      months[4] = "MAY";
```

```
      months[5] = "JUNE";
```

```
      months[6] = "JULY";
```

```
      months[7] = "AUGUST";
```

```
      months[8] = "SEPTEMBER";
```

```

months[9] = "OCTOBER";

months[10] = "NOVEMBER";

months[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>" + months[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>  
  
</body>  
  
<p><input type="text" id="year" placeholder="Enter the year YYYY"></p>  
  
<p><input type="button" value="calender" onclick="calender()"></p>  
  
</html>
```

## Calender - Year 2021

JANUARY	FEBRUARY	MARCH	APRIL
Sun mon tue wed thu fri sat	Sun mon tue wed thu fri sat	Sun mon tue wed thu fri sat	Sun mon tue wed thu fri sat
* * * * * 1 2	* 1 2 3 4 5 6	* 1 2 3 4 5 6	* * * * * 1 2 3
3 4 5 6 7 8 9	7 8 9 10 11 12 13	7 8 9 10 11 12 13	4 5 6 7 8 9 10
10 11 12 13 14 15 16	14 15 16 17 18 19 20	14 15 16 17 18 19 20	11 12 13 14 15 16 17
17 18 19 20 21 22 23	21 22 23 24 25 26 27	21 22 23 24 25 26 27	18 19 20 21 22 23 24
24 25 26 27 28 29 30	28 * * * * *	28 29 30 31 * * *	25 26 27 28 29 30 *
31 * * * * *	* * * * * * *	* * * * * * *	* * * * * * *
MAY	JUNE	JULY	AUGUST
Sun mon tue wed thu fri sat	Sun mon tue wed thu fri sat	Sun mon tue wed thu fri sat	Sun mon tue wed thu fri sat
* * * * * * 1	* * 1 2 3 4 5	* * * * * 1 2 3	1 2 3 4 5 6 7
2 3 4 5 6 7 8	6 7 8 9 10 11 12	4 5 6 7 8 9 10	8 9 10 11 12 13 14
9 10 11 12 13 14 15	13 14 15 16 17 18 19	11 12 13 14 15 16 17	15 16 17 18 19 20 21
16 17 18 19 20 21 22	20 21 22 23 24 25 26	18 19 20 21 22 23 24	22 23 24 25 26 27 28
23 24 25 26 27 28 29	27 28 29 30 * * *	25 26 27 28 29 30 31	29 30 31 * * * *
30 31 * * * * *	* * * * * * *	* * * * * * *	* * * * * * *
SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
Sun mon tue wed thu fri sat	Sun mon tue wed thu fri sat	Sun mon tue wed thu fri sat	Sun mon tue wed thu fri sat
* * * 1 2 3 4	* * * * * 1 2	* 1 2 3 4 5 6	* * * 1 2 3 4
5 6 7 8 9 10 11	3 4 5 6 7 8 9	7 8 9 10 11 12 13	5 6 7 8 9 10 11
12 13 14 15 16 17 18	10 11 12 13 14 15 16	14 15 16 17 18 19 20	12 13 14 15 16 17 18
19 20 21 22 23 24 25	17 18 19 20 21 22 23	21 22 23 24 25 26 27	19 20 21 22 23 24 25
26 27 28 29 30 * *	24 25 26 27 28 29 30	28 29 30 * * * *	26 27 28 29 30 31 *
* * * * * * *	31 * * * * * *	* * * * * * *	* * * * * * *

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