

Program : 2

Aim : Generate the calender using javascript code by getting the year from the user.

Code : Java Script

```
<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>"); //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="pink">
<center>
    <p><input type="text" id="year" placeholder="enter year YYYY"/></p>
    <p><input type="button" value="Calender" onclick="calender()"/>

</center>
</body>
</html>
```

Output :

