1)Generate a calender using javascript by getting year from user?

Ans:

Html page

```
<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <title>Calendar</title>


    <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">

    <!-- Bootstrap CSS -->

    <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.1.0/css/bootstrap.min.css"

        integrity="sha384-
9gVQ4dYFwwWSjIDZnLEWnxCjeSWFphJiwGPXr1jddIhOegiu1FwO5qRGvFXOdJZ4"
crossorigin="anonymous">


</head>

<style>


    .sun{

        background-color: rgba(255, 0, 0, 0.76);

        color: white;

    }

    .restDays{

        background-color: rgba(0, 119, 255, 0.767);

        color: white;

    }
```

```html
</style>

<body>

<div class="container col-sm-4 col-md-7 col-lg-4 mt-5">

  <div class="card">

    <h3 class="card-header" id="monthAndYear"></h3>

    <table class="table table-bordered table-responsive-sm" id="calendar">

      <thead>

      <tr>

        <th class="sun" style="border-top-left-radius: 15px;">Sun</th>

        <th class="restDays">Mon</th>

        <th class="restDays">Tue</th>

        <th class="restDays">Wed</th>

        <th class="restDays">Thu</th>

        <th class="restDays">Fri</th>

        <th class="restDays" style="border-top-right-radius: 15px;">Sat</th>

      </tr>

      </thead>


      <tbody id="calendar-body">


      </tbody>

    </table>


    <div class="form-inline">
```

```html
        <button class="btn btn-outline-success col-sm-6" style="border-bottom-left-radius:
15px;" id="previous" onclick="previous()">Previous</button>


        <button class="btn btn-outline-success col-sm-6" style="border-bottom-right-radius:
15px;" id="next" onclick="next()">Next</button>

    </div>

    <br/>

    <form class="form-inline">

        <label class="lead mr-2 ml-2" for="month">Jump To: </label>

        <select class="form-control col-sm-4" name="month" id="month" onchange="jump()">

            <option value=0>Jan</option>

            <option value=1>Feb</option>

            <option value=2>Mar</option>

            <option value=3>Apr</option>

            <option value=4>May</option>

            <option value=5>Jun</option>

            <option value=6>Jul</option>

            <option value=7>Aug</option>

            <option value=8>Sep</option>

            <option value=9>Oct</option>

            <option value=10>Nov</option>

            <option value=11>Dec</option>

        </select>


        <label for="year"></label><select class="form-control col-sm-4" name="year" id="year"
onchange="jump()">

        <option value=2000>2000</option>
```

```
<option value=2001>2001</option>
<option value=2002>2002</option>
<option value=2003>2003</option>
<option value=2004>2004</option>
<option value=2005>2005</option>
<option value=2006>2006</option>
<option value=2007>2007</option>
<option value=2008>2008</option>
<option value=2009>2009</option>
<option value=2010>2010</option>
<option value=2011>2011</option>
<option value=2012>2012</option>
<option value=2013>2013</option>
<option value=2014>2014</option>
<option value=2015>2015</option>
<option value=2016>2016</option>
<option value=2017>2017</option>
<option value=2018>2018</option>
<option value=2019>2019</option>
<option value=2020>2020</option>
<option value=2021>2021</option>
<option value=2022>2022</option>
<option value=2023>2023</option>
<option value=2024>2024</option>
<option value=2025>2025</option>
<option value=2026>2026</option>
<option value=2027>2027</option>
```

```html
<option value=2028>2028</option>
<option value=2029>2029</option>
<option value=2030>2030</option>
<option value=2031>2031</option>
<option value=2021>2032</option>
<option value=2022>2033</option>
<option value=2023>2034</option>
<option value=2024>2035</option>
<option value=2025>2036</option>
<option value=2026>2037</option>
<option value=2027>2038</option>
<option value=2028>2039</option>
<option value=2029>2040</option>
<option value=2030>2041</option>
<option value=2031>2042</option>
<option value=2021>2043</option>
<option value=2022>2044</option>
<option value=2023>2045</option>
<option value=2024>2046</option>
<option value=2025>2047</option>
<option value=2026>2048</option>
<option value=2027>2049</option>
<option value=2028>2050</option>

      </select></form>
   </div>
</div>
```

```html
<script src="cal.js"></script>



<script src="https://code.jquery.com/jquery-3.3.1.slim.min.js"
    integrity="sha384-
q8i/X+965DzO0rT7abK41JStQIAqVgRVzpbzo5smXKp4YfRvH+8abtTE1Pi6jizo"
    crossorigin="anonymous"></script>
<script src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.14.0/umd/popper.min.js"
    integrity="sha384-
cs/chFZiN24E4KMATLdqdvsezGxaGsi4hLGOzlXwp5UZB1LY//20VyM2taTB4QvJ"
    crossorigin="anonymous"></script>
<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.1.0/js/bootstrap.min.js"
    integrity="sha384-
uefMccjFJAIv6A+rW+L4AHf99KvxDjWSu1z9VI8SKNVmz4sk7buKt/6v9KI65qnm"
    crossorigin="anonymous"></script>


</body>
</html>
```

Javascript page

```javascript
let today = new Date();

let currentMonth = today.getMonth();

let currentYear = today.getFullYear();

let selectYear = document.getElementById("year");

let selectMonth = document.getElementById("month");
```

```javascript
let months = ["January", "February", "March", "April", "May", "June", "July", "August",
"September", "October", "November", "December"];


let monthAndYear = document.getElementById("monthAndYear");

showCalendar(currentMonth, currentYear);




function next() {

    currentYear = (currentMonth === 11) ? currentYear + 1 : currentYear;

    currentMonth = (currentMonth + 1) % 12;

    showCalendar(currentMonth, currentYear);

}


function previous() {

    currentYear = (currentMonth === 0) ? currentYear - 1 : currentYear;

    currentMonth = (currentMonth === 0) ? 11 : currentMonth - 1;

    showCalendar(currentMonth, currentYear);

}


function jump() {

    currentYear = parseInt(selectYear.value);

    currentMonth = parseInt(selectMonth.value);

    showCalendar(currentMonth, currentYear);

}


function showCalendar(month, year) {
```

```javascript
let firstDay = (new Date(year, month)).getDay();

let daysInMonth = 32 - new Date(year, month, 32).getDate();


let tbl = document.getElementById("calendar-body");



tbl.innerHTML = "";

monthAndYear.innerHTML = months[month] + " " + year;

selectYear.value = year;

selectMonth.value = month;



let date = 1;

for (let i = 0; i < 6; i++) {

    let row = document.createElement("tr");


  for (let j = 0; j < 7; j++) {

      if (i === 0 && j < firstDay) {

        let cell = document.createElement("td");

        let cellText = document.createTextNode("");

        cell.appendChild(cellText);

        row.appendChild(cell);

    }

    else if (date > daysInMonth) {

        break;

    }
```
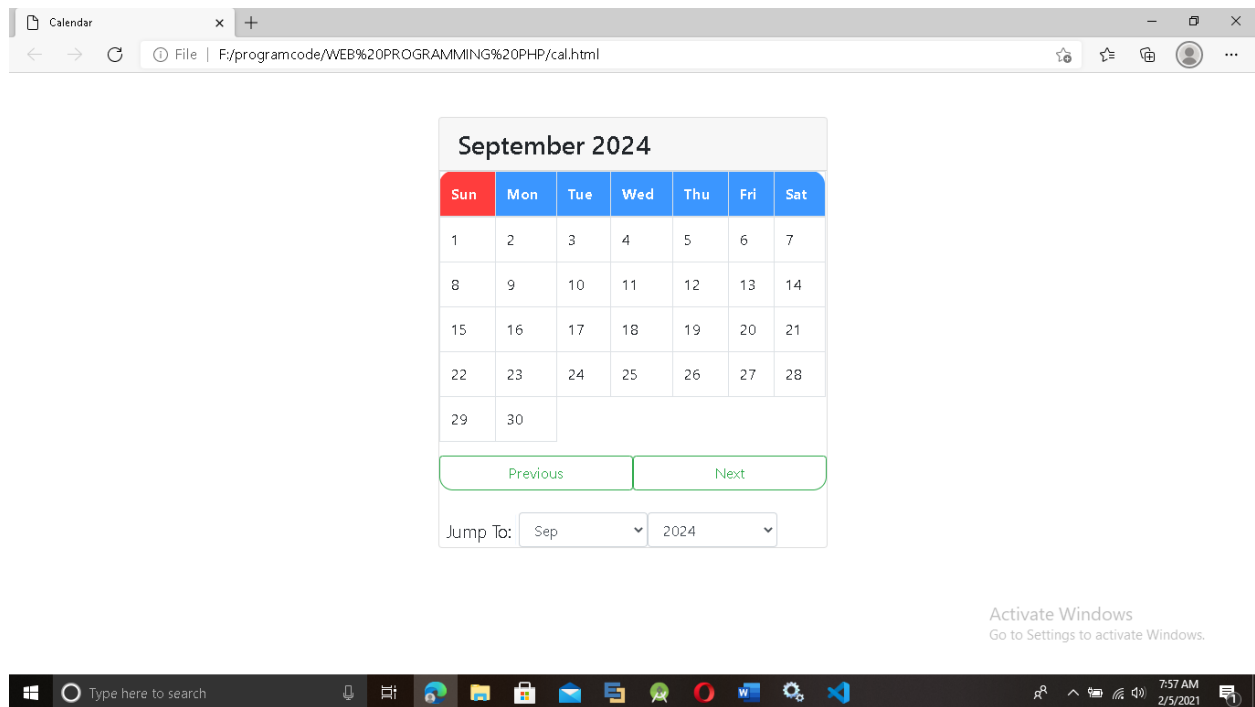
```javascript
        else {

            let cell = document.createElement("td");

            let cellText = document.createTextNode(date);

            if (date === today.getDate() && year === today.getFullYear() && month ===
today.getMonth()) {

                cell.classList.add("bg-info");

            }

            cell.appendChild(cellText);

            row.appendChild(cell);

            date++;

        }



    }


    tbl.appendChild(row);

  }


}
```

2)Create an html page to calculate the total marks of a student by getting marks of 5 subjects from the user and then show the total marks to the user?

Ans:

<html>

<head>

    <title>Enter Marks</title>

<script type="text/javascript">

function submit_marks() {

var sub1 = parseInt(document.getElementById('s1').value);

var sub2 = parseInt(document.getElementById('s2').value);

var sub3 = parseInt(document.getElementById('s3').value);

var sub4 = parseInt(document.getElementById('s4').value);

var sub5 = parseInt(document.getElementById('s5').value);

```
var total = sub1+sub2+sub3+sub4+sub5;

document.getElementById("demo").innerHTML = "Your Total Marks : "+total;

// document.write("Your Total Marks : "+total);

}
</script>
</head>
<body bgcolor="orange">

    <center>

        <h1>Enter Students Marks</h1>

        <input type="text" id="s1" placeholder="Enter English Marks"><br><br>

        <input type="text" id="s2" placeholder="Enter Python Marks"><br><br>

        <input type="text" id="s3" placeholder="Enter Software Engineering Marks"><br><br>

        <input type="text" id="s4" placeholder="Enter Digitaland Fundamentals
Marks"><br><br>

        <input type="text" id="s5" placeholder="Enter Maths Marks"><br><br>

        <input type="submit" onclick="submit_marks()">
<div id="demo"></div>
</center>
</body>
</html>
```

F:/programcode/WEB%20PROGRAMMING%20PHP/mark.html

Enter Students Marks

80

90

60

70

60

Submit

Your Total Marks : 360