**Question Number 1:**

Make a table showing different text formats in HTML.

<!DOCTYPE html>

<html>

<head>

<title>Table Tags</title>

</head>

<body>

<table border="1px">

<tr>

<th>HTML Tags</th>

<th>Output</th>

</tr>

<tr>

<td>Normal Text</td>

<td>Hello World</td>

</tr>

<tr>

<td>b</td>

<td><b>Bold</b></td>

</tr>

<tr>

<td>i</td>

<td><i>Italic</i></td>

</tr>

<tr>

<td>u</td>

<td><u>Underline</u></td>

</tr>

<tr>

<td>em</td>

<td><em>Emphasis</em></td>

</tr>

<tr>

<td>strong</td>

<td><strong>Strong</strong></td>

</tr>

<tr>

<td>cite</td>

<td><cite>Citation</cite></td>

</tr>

<tr>

<td>big</td>

<td><big>Big</big></td>

</tr>

<tr>

<td>small</td>

<td><small>Small</small></td>

</tr>

<tr>

<td>sub</td>

<td><sub>Subscript</sub></td>

</tr>

<tr>

<td>sup</td>

<td><sup>Superscript</sup></td>

</tr>

</table>

</body>

</html>

**Question Number 2:**

Using nesting in Lists make the pattern.

<!DOCTYPE html>

<html>

<head>

<title>List</title>

</head>

<body>

<ol>

<li>Colors

<ul>

<li>Red</li>

<li>Blue</li>

<li>Green</li>

</ul>

</li>

<li>Fruits

<ul>

<li>Apple</li>

<li>Orange</li>

<li>Banana</li>

</ul>

</li>

</ol>

</body>

</html>

**Question Number 3:**

Make the College Timetable using HTML.

<!DOCTYPE html>

<head>

<head>

<title>Routine</title>

</head>

<body>

<p><b>

<center>GRAPHIC ERA DEEMED TO BE UNIVERSITY Rev. 0.0

<br>TIME TABLE OF B. TECH. VIth SEMESTER – COMPUTER SCIENCE & ENGG. –CE SPL

<br>ACADEMIC YEAR 2022-23

</center>

</b></p>

<table border="1px" width="1000px" align="center">

<caption> <span style="float:left">Room No.:-CR-2</span><span style="float:right">W.E.F.:-23 <sup>rd</sup> January 2023

</span></caption>

<tr>

<th></th>

<th>8:05-9:00</th>

<th>9:00-9:55</th>

<th>9:55-10:50</th>

<th>11:00-12:00</th>

<th>12:05-1:00</th>

<th>1:00-1:55</th>

<th>1:55-2:50</th>

<th>3:10-4:00</th>

<th>4:00-4:55</th>

<th>4:55-5:50</th>

</tr>

<tr>

<th>Mon</th>

<td colspan="4" align="center">Placement Preparation Classes <b>(G1)<br>B.Tech Block LT-15</b></td>

<td align="center"><mark style="background: red;">TCS-619<br>TCS-622</mark></td>

<td align="center">LUNCH</td>

<td align="center"><mark style="background: cyan;">TCS-604</mark><br><b>LT-5</b></td>

<td colspan="2" align="center">Web Development Lab<br><b>Lab-5</b></td>

<td align="center">LIB</td>

</tr>

<tr>

<th>Tue</th>

<td colspan="2" align="center">Compiler Design Lab<br><b>Aryabhatt First Floor</b></td>

<td align="center"><mark>TCS-601<br><b>CR-7</b></mark></td>

<td align="center"><mark>TCS-601<br><b>CR-7</b></mark></td>

<td align="center"><mark style="background: red;">TCS-619<br>TCS-622</mark></td>

<td align="center">LUNCH</td>

<td align="center"><mark style="background: cyan;">TCS-604</mark><br><b>LT-5</b></td>

<td colspan="2" align="center">Web Development Lab<br><b>Lab-5</b></td>

<td align="center">LIB</td>

</tr>

<tr>

<th>Wed</th>

<td colspan="2" align="center">Software Engineering Lab<br><b>Aryabhatt First Floor</b></td>

<td align="center"><mark>TCS-601</mark><br><b>CR-7</b></td>

<td align="center"><mark>TCS-601</mark><br><b>CR-7</b></td>

<td align="center"><mark style="background: red;">TCS-619<br>TCS-622</mark></td>

<td align="center">LUNCH</td>

<td align="center"><mark style="background: cyan;">TCS-604</mark><br><b>LT-2</b></td>

<td align="center"><mark style="background: fuchsia;">TCS-693</mark><br><b>CR-2</b></td>

<td align="center"><mark style="background: lime;">TCS-611</mark><br><b>(Online)</b></td>

<td align="center"><mark style="background: lime;">TCS-611</mark><br><b>(Online)</b></td>

</tr>

<tr>

<th>Thu</th>

<td colspan="4" align="center">Placement Preparation Classes <b>(G1)<br>B.Tech Block LT-15</b></td>

<td align="center"><mark style="background: red;">TCS-619<br>TCS-622</mark></td>

<td align="center">LUNCH</td>

<td align="center"><mark style="background: fuchsia;">TCS-693</mark><br><b>CR-2</b></td>

<td align="center"><mark style="background: fuchsia;">TCS-693</mark><br><b>CR-2</b></td>

<td align="center"><mark style="background: silver;">XCS-601<br>(Soft Skills)</mark><br><b>CR-7</b></td>

<td align="center"><mark style="background: lime;">TCS-611</mark><br><b>(Discussion <br>Class) CR-1</b></td>

</tr>

<tr>

<th>Fri</th>

<td colspan="2" align="center">Compiler Design Lab<br><b>Aryabhatt First Floor</b></td>

<td colspan="2" align="center">Competitive Programming<br>(TOC-601) Audit Course<br><b>(Online)</b></td>

<td align="center">LUNCH</td>

<td align="center"><mark style="background: cyan;">TCS-604</mark><br><b>LT-2</b></td>

<td align="center"><mark style="background: fuchsia;">TCS-693</mark><br><b>CR-2</b></td>

<td align="center"><mark style="background: silver;">XCS-601<br>(Verbal)</mark><br><b>LT-2</b></td>

<td align="center"><mark style="background: silver;">XCS-601<br>(QAR)</mark><br><b>CR-3</b></td>

<td align="center">LIB</td>

</tr>

</table>

</body>

</html>

**Question Number 4:**

Show the usage of Bookmark links and Image as link.

<!DOCTYPE html>

<html>

<head>

<title>Bookmark link and Image link</title>

</head>

<body>

<ul>

<li>

<h1 id="t1">JoJo</h1>

<p>Online Grammar and Writing Checker To Help You Deliver Impeccable, Mistake-free Writing. Grammarly Has a Tool For Just

About Every Kind Of Writing You Do. Try It Out For Yourself! Eliminate Grammar Errors. Find and Add Sources Fast. Easily

Improve Any Text.<br><a href="#t2">click this to go to bottom of the page</a></p>

</li>

</ul>

<br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br>

<h3>Click this link to go to <a href="https://jojo.fandom.com/wiki/Main\_Page" target="\_blank">official fandom</a></h3>

<h3>To visit Joseph's page <a href="https://www.whatsapp.com/" target="\_blank"><img

src="https://i.pinimg.com/originals/b4/7f/cf/b47fcfe75ace7989bb15352242bd1d0b.png" width="50"

height="50"></a></h3>

<h3 id="t2">Register to our website by submitting the form below<br><a href="form.html" target="\_blank">Form</a></h3>

<a href="mailto:mmortalkombat4@gmail.com"> Send Email</a>

<a href="#t1"><br>click this to go to top of this page</a>

</body></html>

**Question Number 5:**

Design a form in HTML with restrictions.

<!DOCTYPE html>

<html>

<head>

<title>Form</title>

</head>

<body>

<form>

<label for="Fullname">Full Name: </label>

<input type="text" id="Fullname" name="Fullname" placeholder="John Doe" required>

<br><br>

<label for="Email">Email: </label>

<input type="email" id="Email" name="Email" placeholder="johndoe123@gmail.com" required>

<br><br>

<label for="Password">Password: </label>

<input type="password" id="Password" name="Password" required>

<br><br>

<fieldset>

<legend>Favourite things: </legend>

<p>Favourite Color: </p>

<label for="Red">Red</label>

<input type="radio" id="Red" name="rbutton">

<label for="Blue"> Blue</label>

<input type="radio" id="Blue" name="rbutton">

<br>

<label for="Green">Green</label>

<input type="radio" id="Green" name="rbutton">

<label for="Yellow"> Yellow</label>

<input type="radio" id="Yellow" name="rbutton">

<br>

<p>Favourite Days: </p>

<input type="checkbox" id="Sunday" name="cbox">

<label for="Sunday">Sunday</label>

<br>

<input type="checkbox" id="Monday" name="cbox">

<label for="Monday">Monday</label>

<br>

<input type="checkbox" id="Tuesday" name="cbox">

<label for="Tuesday">Tuesday</label>

<br>

<input type="checkbox" id="Wednesday" name="cbox">

<label for="Wednesday">Wednesday</label>

<br>

<input type="checkbox" id="Thursday" name="cbox">

<label for="Thursday">Thursday</label>

<br>

<input type="checkbox" id="Friday" name="cbox">

<label for="Friday">Friday</label>

<br>

<input type="checkbox" id="Saturday" name="cbox">

<label for="Saturday">Saturday</label>

</fieldset>

<br>

<label for="FavMonth">Favourite Month: </label>

<select id="FavMonth" name="FavMonth">

<option value="January">January</option>

<option value="February">February</option>

<option value="March">March</option>

<option value="April">April</option>

<option value="May">May</option>

<option value="June">June</option>

<option value="July">July</option>

<option value="August">August</option>

<option value="September">September</option>

<option value="October">October</option>

<option value="November">November</option>

<option value="December">December</option>

</select>

<br><br>

<button type="submit" onclick="alert('Form Submitted successfully!')">Submit!</button>

<br>

<button type="reset" onclick="alert('You reset the form!')">Reset!</button>

</form>

</body>

</html>

**Question Number 6:**

Design an application form in HTML with restrictions.

<!DOCTYPE html>

<html>

<head>

<title>Application Form</title>

</head>

<body>

<h1 align="center"><u>APPLICATION FORM</u></h1>

<form>

<fieldset>

<legend><b><u>Personal Details</u></b></legend>

<label for="fullname">Applicant's full Name: </label>

<select id="title1" name="title1">

<option>--select--</option>

<option value="Mr">Mr.</option>

<option value="Mrs">Mrs.</option>

<option value="Ms">Ms.</option>

</select>

<input type="text" id="fullname" name="fullname" placeholder="John Doe" required>

<br><br>

<label for="ffullname">Father's full Name: </label>

<select id="title1" name="title2">

<option>--select--</option>

<option value="Mr">Mr.</option>

<option value="Mrs">Late</option>

</select>

<input type="text" id="ffullname" name="ffullname" placeholder="David Doe" required>

<br>

<p>Gender: </p>

<input type="radio" id="male" name="rbutton">

<label for="male">Male</label>

<br>

<input type="radio" id="female" name="rbutton">

<label for="female">Female</label>

<br>

<input type="radio" id="other" name="rbutton">

<label for="other">Others</label>

<br><br>

<label for="marstat">Marital Status:</label>

<select id="marstat" name="marstat" required>

<option>--select--</option>

<option value="married">Married</option>

<option value="single">Single</option>

<option value="divorced">Divorced</option>

</select>

<br><br>

<label for="dob">Date Of Birth: </label>

<input type="date" id="dob" name="dob">

<br><br>

<label for="category">Category:</label>

<select id="category" name="category" required>

<option>--select--</option>

<option value="gen">General</option>

<option value="st">Secular Tribe (ST)</option>

<option value="sc">Secular Caste (SC)</option>

<option value="obc">Other Backward Class (OBC)</option>

</select>

<br>

</fieldset>

<fieldset>

<legend><b><u>Contact Details</u></b></legend>

<label for="mobile">Phone Number:</label>

<input type="tel" id="mobile" name="mobile">

<br><br>

<label for="address">Address:</label>

<br>

<input type="text" id="address1" name="address" placeholder="Address Line 1">

<br>

<input type="text" id="address2" name="address" placeholder="Address Line 2">

<br>

<input type="text" id="address3" name="address" placeholder="Address Line 3">

<br><br>

<label for="city">City: </label>

<input type="text" id="city" name="city" placeholder="Agra">

<br><br>

<label for="pincode">Pincode: </label>

<input type="tel" id="pincode" name="pincode" maxlength="6">

<br><br>

<label for="state">State:</label>

<select id="state" name="state" required>

<option>--select--</option>

<option value="tr">Tripura</option>

<option value="uk">Uttarakhand</option>

<option value="up">Uttar Pradesh</option>

<option value="gj">Gujarat</option>

<option value="rj">Rajasthan</option>

</select>

<br>

</fieldset>

<fieldset>

<legend><b><u>Qualification Details:</u></b></legend>

<table border="1px" width="500px">

<tr>

<th>Serial Number</th>

<th>Roll Number</th>

<th>Qualification</th>

<th>Board/University</th>

<th>Passing Year</th>

<th>Percentage</th>

</tr>

<tr>

<td>1.</td>

<td>

<input type="text" id="serial1" name="serial1" required>

</td>

<td>

<select id="qual1" name="qual1" required>

<option>--select--</option>

<option value="10">10<sup>th</sup></option>

<option value="12">12<sup>th</sup></option>

<option value="12+">Undergraduate</option>

<option value="12++">Post Graduate</option>

</select>

</td>

<td>

<input type="text" id="uni1" name="uni1" required>

</td>

<td>

<input type="text" id="pass1" name="pass1" required>

</td>

<td>

<input type="text" id="perc1" name="perc1" required>

</td>

</tr>

<tr>

<td>2.</td>

<td>

<input type="text" id="serial2" name="serial2" required>

</td>

<td>

<select id="qual2" name="qual2" required>

<option>--select--</option>

<option value="10">10<sup>th</sup></option>

<option value="12">12<sup>th</sup></option>

<option value="12+">Undergraduate</option>

<option value="12++">Post Graduate</option>

</select>

</td>

<td>

<input type="text" id="uni2" name="uni2" required>

</td>

<td>

<input type="text" id="pass2" name="pass2" required>

</td>

<td>

<input type="text" id="perc2" name="perc2" required>

</td>

</tr>

<tr>

<td>3.</td>

<td>

<input type="text" id="serial3" name="serial3" required>

</td>

<td>

<select id="qual3" name="qual3" required>

<option>--select--</option>

<option value="10">10<sup>th</sup></option>

<option value="12">12<sup>th</sup></option>

<option value="12+">Undergraduate</option>

<option value="12++">Post Graduate</option>

</select>

</td>

<td>

<input type="text" id="uni3" name="uni3" required>

</td>

<td>

<input type="text" id="pass3" name="pass3" required>

</td>

<td>

<input type="text" id="perc3" name="perc3" required>

</td>

</tr>

<tr>

<td>4.</td>

<td>

<input type="text" id="serial4" name="serial4" required>

</td>

<td>

<select id="qual4" name="qual4" required>

<option>--select--</option>

<option value="10">10<sup>th</sup></option>

<option value="12">12<sup>th</sup></option>

<option value="12+">Undergraduate</option>

<option value="12++">Post Graduate</option>

</select>

</td>

<td>

<input type="text" id="uni4" name="uni4" required>

</td>

<td>

<input type="text" id="pass4" name="pass4" required>

</td>

<td>

<input type="text" id="perc4" name="perc4" required>

</td>

</tr>

</table>

</fieldset>

<fieldset>

<legend><b><u>Language Knowledge</u></b></legend>

<label for="lang">Select known language:</label>

<br>

<input type="checkbox" id="hindi" name="cbox">

<label for="hindi">Hindi</label>

<br>

<input type="checkbox" id="english" name="cbox">

<label for="english">English</label>

<br>

<input type="checkbox" id="both" name="cbox">

<label for="both">Both</label>

<br>

</fieldset>

<fieldset>

<legend><b><u>Identification Detail</u></b></legend>

<label for="aadhar">Aadhar Number: </label>

<input type="text" id="aadhar" name="aadhar" required>

<br><br>

<label for="pan">PAN Number: </label>

<input type="text" id="pan" name="pan" required>

<br>

</fieldset>

<br>

<button type="submit" onclick="alert('Form Submitted successfully!')">Submit!</button>

<button type="reset" onclick="alert('You reset the form!')">Reset!</button>

</form>

</body>

</html>

**Question Number 7:**

Implement the usage of Frameset to create the following.

<!--create a frameset with two vertical frames. fill the first frame with links.html and divide the second frame

into two horizontal frames and fill top frame with a.html and bottom with b.html-->

<html>

<head>

<title>Frames</title>

</head>

<frameset cols="30%,70%">

<frame name="left1" src="ques4.html"></frame>

<frameset rows="50%,50%">

<frame name="right1" src="ques 3.html"></frame>

<frame name="right2" src="ques 1.html"></frame>

</frameset>

</frameset>

</html>

**Question Number 8:**

Implement the usage of Frameset to create the following.

<!--create a webpage having two frames one containing links and the other the content of link. when link is clicked

appropriate content should be displayed in frame 2. use all the attributes of frame and frameset tags-->

<html>

<head>

<title>Frame2</title>

</head>

<frameset cols="50%,50%" border="5" framespacing="10">

<frame name="right" src="ques4.html" marginwidth="10" marginheight="10" noresize="noresize"></frame>

<frame name="load1"></frame>

</frameset>

</html>

**Question Number 9:**

Create a Dial page using image mapping as follows.

<!--develop a dialer.html page to display an image on the website and construct a map

for all circle buttons. When you click on a circle a message with a button number

such as "you push button 1" will appear-->

<!DOCTYPE html>

<html>

<head>

<title>Dialer</title>

</head>

<body>

<img src="telphon.jpg" alt="telephone." usemap="#map1">

<map name="map1">

<area shape="circle" coords="39,26,22" onclick="alert('You Have Pressed 1.')" href="">

<area shape="circle" coords="97,26,22" onclick="alert('You Have Pressed 2.')" href="">

<area shape="circle" coords="154,26,22" onclick="alert('You Have Pressed 3.')" href="">

<area shape="circle" coords="39,79,22" onclick="alert('You Have Pressed 4.')" href="">

<area shape="circle" coords="97,79,22" onclick="alert('You Have Pressed 5.')" href="">

<area shape="circle" coords="154,79,22" onclick="alert('You Have Pressed 6.')" href="">

<area shape="circle" coords="39,131,22" onclick="alert('You Have Pressed 7.')" href="">

<area shape="circle" coords="97,131,22" onclick="alert('You Have Pressed 8.')" href="">

<area shape="circle" coords="154,131,22" onclick="alert('You Have Pressed 9.')" href="">

<area shape="circle" coords="39,182,22" onclick="alert('You Have Pressed \*.')" href="">

<area shape="circle" coords="97,182,22" onclick="alert('You Have Pressed 0.')" href="">

<area shape="circle" coords="154,182,22" onclick="alert('You Have Pressed #.')" href="">

<area shape="circle" coords="97,236,22" onclick="alert('You Have Pressed Dial.')" href="">

</map>

</body>

</html>

**Question Number 10:**

Create a Stylesheet.

<!--create an external style sheet named as externalcss.css and provide some styles for h2, hr, p and a tag-->

<!DOCTYPE html>

<html>

<head>

<title>StyleUsed</title>

<link rel="stylesheet" type="text/css" href="externalcss.css">

</head>

<body>

<h2>This is heading 2</h2>

<hr>

<p id="t1">This is a paragraph.</p>

<p id="t2">This is another paragraph.</p>

<a href="https://www.yesnobutton.com/answer.html">Is Web Dev the best subject?</a><br><br>

<a id="t3" href="https://youtu.be/o84t0LSOBwI">Red Challenger<br><img width="150px" height="120px" src="https://medias.fcacanada.ca/jellies/renditions/2022/800x510/CC22\_LADL22\_2DL\_PR3\_APA\_XXX\_XXX\_XXX.7423089f1fa0105cbf9298c79904026b.png"></a>

</body>

</html>

**CSS:**

h2{

color: brown;

background-color: blanchedalmond;

}

#t1{

color: aqua;

background-color: black;

}

#t2{

color: red;

background-color: chartreuse;

font-family: Impact, Haettenschweiler, 'Arial Narrow Bold', sans-serif;

font-style: unset;

font-size: medium;

}

a{

color: black;

font-style: oblique;

font-size: xx-large;

background-color: peachpuff;

}

hr{

border-width:3px;

border-color: crimson;

border-style: dotted;

}

#t3{

color: red;

font-family: Impact, Haettenschweiler, 'Arial Narrow Bold', sans-serif;

font-style: unset;

font-size: xx-large;

}

**Question Number 11:**

Create a Stylesheet.

h2{

color: brown;

background-color: blanchedalmond;

text-align: center;

text-decoration: line-through;

text-transform: uppercase;

text-shadow: crimson;

direction: ltr;

word-spacing: 10px;

text-indent: 10px;

}

#t1{

color: aqua;

background-color: black;

}

#t2{

color: red;

background-color: chartreuse;

font-family: Impact, Haettenschweiler, 'Arial Narrow Bold', sans-serif;

font-style: unset;

font-size: medium;

}

a{

color: black;

font-style: oblique;

font-size: xx-large;

background-color: peachpuff;

}

hr{

border-width:3px;

border-color: crimson;

border-style: dotted;

}

#t3{

color: red;

font-family: Impact, Haettenschweiler, 'Arial Narrow Bold', sans-serif;

font-style: unset;

font-size: xx-large;

}

body{

background-image: url(https://media.tenor.com/2R6H9Jnx7CYAAAAM/%D1%81%D0%BC%D0%B5%D1%85-%D0%B4%D0%B5%D0%B4%D1%81%D0%BC%D0%B5%D1%91%D1%82%D1%8C%D1%81%D1%8F.gif);

background-repeat: repeat-y;

}

**Question Number 12:**

Create a Navigation Bar.

<!--create a navigation bar using html and css-->

<!DOCTYPE html>

<html>

<head>

<title>Navigation Bar</title>

<style>

a:link {

text-decoration: none;

}

a:visited {

text-decoration: none;

}

a:hover {

text-decoration: none;

}

a:active {

text-decoration: none;

}

ul{

word-spacing: 10px;

}

h1{

border-radius: 25px;

padding: 10px;

background-color: rgb(39, 39, 39);

font-size: x-large;

word-spacing: 2px;

color: rgb(105, 105, 105);

font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;

}

h1:hover{

background-color: rgb(193, 21, 21);

color:aliceblue;

}

h2{

border-radius: 5px;

padding: 5px;

background-color: rgb(200, 198, 198);

font-size: xx-large;

word-spacing: 2px;

color: rgb(105, 105, 105);

font-family: Segoe UI, Tahoma, 'Geneva', Verdana, sans-serif;

}

li{

display: inline-block;

}

hr{

border-radius: 40px;

padding: 2px;

background-color: rgb(39, 39, 39);

border-color: rgb(39, 39, 39);

}

body{

background-color: rgb(0, 0, 0);

}

iframe{

border-radius: 15px;

}

</style>

</head>

<body>

<ul>

<li><h2>WeberA</h2></li>

<li><a href="ques 1.html" target="\_blank"><h1>Text Formatting</h1></a></li>

<li><a href="ques7.html" target="\_blank"><h1>Frameset</h1></a></li>

<li><a href="ques 3.html" target="\_blank"><h1>Timetable</h1></a></li>

<li><a href="ques9.html" target="\_blank"><h1>Dial</h1></a></li>

<li><a href="ques10.html" target="\_blank"><h1>Red Challenger</h1></a></li>

</ul>

<hr>

<div style="text-align: center;">

<iframe width="560" height="315" src="https://www.youtube.com/embed/o84t0LSOBwI" title="YouTube video player" frameborder="25px" allow="accelerometer; autoplay; clipboard-write; encrypted-media; gyroscope; picture-in-picture; web-share" allowfullscreen>

</iframe>

</div>

</body>

</html>

**Question 13:**

**Implement the major classes of Bootstrap.**

<!--Write a program to demo basic features of Bootstrap,i.e, img, glpicn, btn, list, drpdwn, tbl, pgination-->

<!DOCTYPE html>

<html>

<head>

<meta name="viewport" content="width=device-width, initial-scale=1">

<link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/css/bootstrap.min.css">

</head>

<body>

<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.3/jquery.min.js"></script>

<script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/js/bootstrap.min.js"></script>

<table class="table table-striped table-bordered">

<thead>

<tr>

<th>123</th>

<th>234</th>

</tr>

</thead>

<tbody>

<tr>

<td>23324</td>

<td>23143</td>

</tr>

<tr>

<td>abc</td>

<td>bcd</td>

</tr>

</tbody>

</table>

<button type="button" class="btn btn-danger">ABCD</button>

<button type="button" class="btn btn-block btn-success">AD</button>

<div class="btn-group">

<button type="button" class="btn btn-warning">a</button>

<button type="button" class="btn btn-info">b</button>

</div>

<br>

<img src="C:\Users\Chandrachur\Downloads\606641.jpg" width="300px" height="300px" class="img-circle">

<p>Search<span class="glyphicon glyphicon-search"></span></p>

<br><br>

<div class="dropdown">

<button class="btn btn-primary dropdown-toggle" type="button" data-toggle="dropdown"><span class="caret"></span></button>

<ul class="dropdown-menu">

<li>a</li>

<li>b</li>

<li>c</li>

</ul>

</div>

<ul class="list-group">

<li class="list-group-item">

First<span class="badge">69</span>

</li>

<li class="list-group-item">

Second<span class="badge">new</span>

</li>

</ul>

<img src="C:\Users\Chandrachur\Downloads\606641.jpg" width="500px" height="500px" class="img-responsive img-circle">

<div class="embed-responsive embed-responsive-4by3" style="text-align: center;">

<iframe class="embed-responsive-item" width="123px" height="315px" src="https://www.youtube.com/embed/OeMRh5vOE4Y"

title="YouTube video player" frameborder="0"

allow="accelerometer; autoplay; clipboard-write; encrypted-media; gyroscope; picture-in-picture; web-share"

allowfullscreen>

</iframe>

</div>

<div class="text-center">

<ul class="pagination">

<li><a href="ques 1.html">1</a></li>

<li><a href="ques 1.html">2</a></li>

<li class="disabled"><a href="ques 1.html">3</a></li>

<li><a href="ques 1.html">4</a></li>

<li class="active"><a href="ques 1.html">5</a></li>

</ul>

</div>

</body>

</html>

**Question 14:**

**Implement the three supported forms in Bootstrap with pagination.**

<!--write a program to demonstrate all the three layout of form in bootstrap

fields- name,email,phone no.,address,submit button

also show the use of pagination in it-->

<!DOCTYPE html>

<html>

<head>

<title>Forms-Vertical</title>

<meta name="viewport" content="width=device-width, initial-scale=1">

<link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/css/bootstrap.min.css">

<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.3/jquery.min.js"></script>

<script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/js/bootstrap.min.js"></script>

</head>

<body>

<form>

<div class="form-group">

<label>Name:</label><br>

<input type="text" class="form-control"><br>

<label>Email:</label><br>

<input type="email" class="form-control"><br>

<label>Contact:</label><br>

<input type="number" class="form-control"><br>

<label>Address:</label><br>

<input type="text" class="form-control"><br>

<button type="button" class="form-control">Submit</button>

</div>

</form>

<div class="text-center">

<ul class="pagination">

<li class="active"><a href="ques14.html">1</a></li>

<li><a href="ques14a.html">2</a></li>

<li><a href="ques14b.html">3</a></li>

</ul>

</div>

</body>

</html>

<!DOCTYPE html>

<html>

<head>

<title>Forms-Vertical</title>

<meta name="viewport" content="width=device-width, initial-scale=1">

<link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/css/bootstrap.min.css">

<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.3/jquery.min.js"></script>

<script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/js/bootstrap.min.js"></script>

</head>

<body>

<form class="form-inline">

<div class="form-group">

<label>Name:</label>

<input type="text" class="form-control">

<label>Email:</label>

<input type="email" class="form-control">

<label>Contact:</label>

<input type="number" class="form-control">

<label>Address:</label>

<input type="text" class="form-control">

<button type="button" class="form-control">Submit</button>

</div>

</form>

<div class="text-center">

<ul class="pagination">

<li><a href="ques14.html">1</a></li>

<li class="active"><a href="ques14a.html">2</a></li>

<li><a href="ques14b.html">3</a></li>

</ul>

</div>

</body>

</html>

<!DOCTYPE html>

<html>

<head>

<title>Forms-Vertical</title>

<meta name="viewport" content="width=device-width, initial-scale=1">

<link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/css/bootstrap.min.css">

<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.3/jquery.min.js"></script>

<script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/js/bootstrap.min.js"></script>

</head>

<body>

<form class="form-horizontal">

<div class="form-group">

<label class="control-label">Name:</label>

<input type="text" class="form-control">

<label class="control-label">Email:</label>

<input type="email" class="form-control">

<label class="control-label">Contact:</label>

<input type="number" class="form-control">

<label class="control-label">Address:</label>

<input type="text" class="form-control">

<button type="button" class="form-control">Submit</button>

</div>

</form>

<div class="text-center">

<ul class="pagination">

<li><a href="ques14.html">1</a></li>

<li><a href="ques14a.html">2</a></li>

<li class="active"><a href="ques14b.html">3</a></li>

</ul>

</div>

</body>

</html>

**Question 15:**

**Implement Media Object in Bootstrap with it’s classes.**

<!--Write a program to demo the use of media query or object with all of its classes using bootstrap-->

<!DOCTYPE html>

<html lang="en">

<head>

<title>Media</title>

<link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.0/css/bootstrap.min.css">

<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.3/jquery.min.js"></script>

<script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/js/bootstrap.min.js"></script>

</head>

<body>

<h6 style="text-align: center;">Media Left And Bottom</h6>

<div class="media">

<div class="media-left media-bottom">

<img src="D:\CHANDRACHUR\CSR.jpg" class="media-object" width="100px" height="120px">

</div>

<div class="media-body">

<h3 class="media-heading"><b>CCSR</b></h3>

<p>not a word.<br>yes a word.<br>gimme a corpse.<br>AEIOU.<br>a<br>a<br>a</p>

</div>

</div>

<h6 style="text-align: center;">Media Right And Bottom</h6>

<div class="media">

<div class="media-body">

<h3 class="media-heading"><b>CCSR</b></h3>

<p>not a word.<br>yes a word.<br>gimme a corpse.<br>AEIOU.<br>a<br>a<br>a</p>

</div>

<div class="media-right media-bottom">

<img src="D:\CHANDRACHUR\CSR.jpg" class="media-object" width="100px" height="120px">

</div>

</div>

<h6 style="text-align: center;">Media Left And Top</h6>

<div class="media">

<div class="media-left media-yop">

<img src="D:\CHANDRACHUR\CSR.jpg" class="media-object" width="100px" height="120px">

</div>

<div class="media-body">

<h3 class="media-heading"><b>CCSR</b></h3>

<p>not a word.<br>yes a word.<br>gimme a corpse.<br>AEIOU.<br>a<br>a</p>

</div>

</div>

<h6 style="text-align: center;">Media Right And Top</h6>

<div class="media">

<div class="media-body">

<h3 class="media-heading"><b>CCSR</b></h3>

<p>not a word.<br>yes a word.<br>gimme a corpse.<br>AEIOU.<br>a<br>a</p>

</div>

<div class="media-right media-top">

<img src="D:\CHANDRACHUR\CSR.jpg" class="media-object" width="100px" height="120px">

</div>

</div>

<h6 style="text-align: center;">Media Left and Middle</h6>

<div class="media">

<div class="media-left media-middle">

<img src="D:\CHANDRACHUR\CSR.jpg" class="media-object" width="100px" height="120px">

</div>

<div class="media-body">

<h3 class="media-heading"><b>CCSR</b></h3>

<p>not a word.<br>yes a word.<br>gimme a corpse.<br>AEIOU.<br>a<br>a<br>a</p>

</div>

</div></body></html>

**Question 16:**

**Write a program to show the uses of Document Model Object in JavaScript.**

<!DOCTYPE html>

<html>

<head>

<title>Document</title>

</head>

<body>

<p id="par">Para1</p>

<h1 id="hed">Head1</h1>

<ul>

<li class="cl">list 1</li>

<li>list 2</li>

<li class="cl">list 3</li>

<li>list 4</li>

</ul>

<div class="div1">

<h1>Head1</h1>

<p>P1</p>

<h1>Head2</h1>

<p class="intr">P2</p>

</div>

<p class="intr">P3</p>

<script>

let intro = document.querySelectorAll("p.intr");

for( let i = 0;i<intro.length;i++)

intro[i].innerHTML = "querySelectorAll";

console.log(intro);

let div = document.getElementsByClassName("div1");

//let ele = document.getElementsByTagName("p");

//for(let i = 0;i<ele.length;i++)

// ele[i].innerHTML = "Element";

//console.log(ele);

let l = document.getElementsByClassName("cl");

for(let i=0;i<l.length;i++)

l[i].innerHTML = "New List";

console.log(l);

let a = document.getElementById("par");

a.innerHTML = "New Paragraph";

console.log(a);

let b = document.getElementById("hed");

b.innerHTML = "Heading";

console.log(b);

</script>

</body>

</html>

**Question 17:**

**Write a program to show the uses of Window Model Object in JavaScript.**

<!DOCTYPE html>

<html>

<head>

<title>Window Object Model</title>

</head>

<body>

<button onclick="alt()">Alert</button>

<button onclick="cnf()">Confirm</button>

<button onclick="pmt()">Prompt</button>

<button onclick="opn()">Open</button>

<button onclick="cls()">Close</button><br><br>

<h2 id="h21"></h2>

<h2 id="h22"></h2>

<script>

let wind;

function alt()

{

alert("This is an alert!");

}

function cnf()

{

confirm("Is this a confirm question?");

}

function pmt()

{

let p = prompt("What is your name?");

if(p!=null)

{

document.getElementById("h22").innerHTML = "Hello! "+p+"."

}

}

function opn()

{

wind = open("ques11.html","","height=100px","width=100px");

}

function cls()

{

wind.close();

}

const mtmo = setTimeout(greet,5000);

function greet()

{

document.getElementById("h21").innerHTML = "Hello This is a timed greeting!";

}

</script>

</body>

</html>

**Question 18:**

**Write a program to show the uses of Functions in JavaScript.**

**WAP to change the temp from F to C using function.**

<!DOCTYPE html>

<html>

<head>

<title>F to C</title>

<script>

function FtoC(temp)

{

document.write(temp+"F in Celsius is: "+(temp-32)\*(5/9)+"C.")

}

</script>

</head>

<body>

<form>

<input type="button" onclick="FtoC(69)" value="Click to see 69F in Celsius.">

</form>

</body>

</html>

**WAP to perform arithmetic operations using function(+,-,\*,/).**

<!DOCTYPE html>

<html>

<head>

<title>Arithmetic Operations</title>

</head>

<body>

a:<input id="a"><br>

b:<input id="b"><br><br>

<button onclick="add()">Addition</button>

<button onclick="sub()">Subtraction</button>

<button onclick="mul()">Multiplication</button>

<button onclick="div()">Division</button><br><br>

ans:<input id="c">

<script>

function add() {

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

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

var sum = parseInt(a) + parseInt(b);

alert("Addition:" + sum);

document.getElementById("c").value=sum;}

function sub() {

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

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

var sum = parseInt(a) - parseInt(b);

alert("Subtraction:" + sum);

document.getElementById("c").value = sum;

}

function mul() {

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

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

var sum = parseInt(a) \* parseInt(b);

alert("Multiplication:" + sum);

document.getElementById("c").value = sum;

}

function div() {

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

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

var sum = parseInt(a) / parseInt(b);

alert("Division:"+sum);

document.getElementById("c").value = sum;

}

</script>

</body>

</html>

**Using functions check whether a no. is Armstrong or not, whether a no. is palindrome or not.**

<!DOCTYPE html>

<html>

<head>

<title>A or P</title>

<script>

function numcheck(num) {

let sum = 0, rev = 0;

let temp = num;

while (temp > 0) {

let remainder = temp % 10;

rev = (rev\*10) + remainder;

sum += remainder \* remainder \* remainder;

temp = parseInt(temp / 10);

}

if (sum == num) {

document.write(num+" is an Armstrong number.\n");

}

else {

document.write(num+" is not an Armstrong number.\n");

}

if (rev==num)

document.write(num + " is a Palindrome.\n");

else

document.write(num + " is not a Palindrome.\n");

}

</script>

</head>

<body>

<form>

<input type="button" onclick="numcheck(11011)" value="Click to see if num is armstrong and palindrome or not.">

</form>

</body></html>

**Question 20:**

**Write a program to create Simple Calculator using JavaScript.**

<!DOCTYPE html>

<html>

<head>

<title>Calculator</title>

<style>

.container {

border: 1px solid #cccccc;

box-shadow: 10px 10px 30px 0px rgba(0,0,0,0.75);

border-radius: 20px;

position: absolute;

top: 55%;

left: 50%;

transform: translate(-50%, -50%);

width: 450px;

height: 400px;

}

.keys {

display: grid;

grid-template-columns: repeat(4, 1fr);

grid-gap: 10px;

padding: 10px;

margin:auto;

}

.button {

height: 60px;

padding: 5px;

background-color: #fff;

border-radius: 3px;

border: 1px solid #c4c4c4;

background-color: transparent;

font-size: 2rem;

color: #333;

background-image: linear-gradient(to bottom, transparent, transparent 50%, rgba(0,0,0,.04));

box-shadow: inset 0 0 0 1px rgba(255,255,255,.05), inset 0 1px 0 0 rgba(255,255,255,.45), inset 0 -1px 0 0 rgba(255,255,255,.15), 0 1px 0 0 rgba(255,255,255,.15);

text-shadow: 0 1px rgba(255,255,255,.4);

}

.button:hover {

background-color: #eaeaea;

}

.operator {

color: #fff;

background-color: #ff5912;

font-size: large;

}

.operator:hover {

background-color: #ff6a2b;

}

.clear {

background-color: #009a00;

border-color: #000000;

color: #fff;

width: 80px;

height: 30px;

}

.clear:hover {

background-color: #00bb00;

}

.equal-sign {

background-color: #25a8e0;

border-color: #25a8e0;

color: #fff;

}

.equal-sign:hover {

background-color: #4e9ed4;

}

.screen{

background-color:rgb(171, 219, 231);

justify-content: left;

color: black;

font-size: medium;

width: 50%;

height: 30%;

cursor: default;

padding: 10px;

padding-left: 40%;

margin: auto;

margin-bottom: 10px;

}

</style>

</head>

<body>

<div class="container">

<br>

<table>

<tr>

<td colspan="3"><input type='text' id='result' class='screen' style="text-align: right;"></td>

<td>

<input type='button' value='C' onclick="clearScreen()" class="clear" />

</td>

</tr>

</table>

<div class="keys">

<input type="button" value="7" class="button" onClick="display('7')"></input>

<input type="button" value="8" class="button " onClick="display('8')"></input>

<input type="button" value="9" class="button" onClick="display('9')"></input>

<input type="button" value="/" class="operator" onClick="display('/')"></input>

<input type="button" value="4" class="button" onClick="display('4')"></input>

<input type="button" value="5" class="button" onClick="display('5')"></input>

<input type="button" value="6" class="button" onClick="display('6')"></input>

<input type="button" value="\*" class="operator" onClick="display('\*')"></input>

<input type="button" value="1" class="button" onClick="display('1')"></input>

<input type="button" value="2" class="button" onClick="display('2')"></input>

<input type="button" value="3" class="button" onClick="display('3')"></input>

<input type="button" value="-" class="operator" onClick="display('-')"></input>

<input type="button" value="0" class="button" onClick="display('0')"></input>

<input type="button" value="." class="button" onClick="display('.')"></input>

<input type="button" value="=" class="button equal-sign" onClick="solve()"></input>

<input type="button" value="+" class="operator" onClick="display('+')"></input>

</div>

</div>

<script>

function display(val) {

document.getElementById('result').value += val;

return val;

}

function solve() {

let x = document.getElementById('result').value;

let y = eval(x);

document.getElementById('result').value = y;

return y;

}

function clearScreen() {

document.getElementById('result').value = '';

}

</script>

</body>

</html>

**Question 21:**

**Write a program to create Scientific Calculator using JavaScript.**

<!DOCTYPE html>

<html>

<head>

<title>Scientific Calculator</title>

<style>

.calculator{

border:2px solid #ddd;

width: 280px;

box-sizing: border-box;

margin: 40px auto 0;

font-family: verdana;

}

.calculator .form-control{

height: 60px;

}

.calculator .form-group{

margin-bottom: 0;

}

.calculator input[type=text]{

font-size: 1.5rem;

color:#333;

}

.calculator .btn {

font-size: 1.5rem;

color:#333;

width: 80px;

}

.calculator .btn:hover{

background-color: #dbdbdb;

}

.calculator .btn-op {

background-color: #999999;

}

.screen{

background-color: rgb(178, 202, 246);

}

</style>

</head>

<body>

<table class="calculator table">

<thead>

<tr>

<td colspan=7>

<div class="output form-group">

<input type='text' id='result' class='screen' style="text-align: right;" disabled>

</div>

</td>

</tr>

</thead>

<tbody class="actions">

<tr>

<td colspan=3></td>

<td>

<button class="btn btn-op" data-value='\*('>(</button>

</td>

<td>

<button class="btn btn-op" data-value=')'>)</button>

</td>

<td>

<button class="btn btn-op" data-value='%'>%</button>

</td>

<td>

<button class="btn btn-op" data-value='ce'>C</button>

</td>

</tr>

<tr>

<td>

<button class="btn btn-op" data-value='inv'>inv</button>

</td>

<td>

<button class="btn btn-op" data-value='sin'>sin</button>

</td>

<td>

<button class="btn btn-op" data-value='ln'>ln</button>

</td>

<td>

<button class="btn" data-value='7'>7</button>

</td>

<td>

<button class="btn" data-value='8'>8</button>

</td>

<td>

<button class="btn" data-value='9'>9</button>

</td>

<td>

<button class="btn btn-op" data-value='/'>÷</button>

</td>

</tr>

<tr>

<td>

<button class="btn btn-op" data-value='\*3.14'>π</button>

</td>

<td>

<button class="btn btn-op" data-value='cos'>cos</button>

</td>

<td>

<button class="btn btn-op" data-value='log'>log</button>

</td>

<td>

<button class="btn" data-value='4'>4</button>

</td>

<td>

<button class="btn" data-value='5'>5</button>

</td>

<td>

<button class="btn" data-value='6'>6</button>

</td>

<td>

<button class="btn btn-op" data-value='\*'> ×</button>

</td>

</tr>

<tr>

<td>

<button class="btn btn-op" data-value='e'>e</button>

</td>

<td>

<button class="btn btn-op" data-value='tan'>tan</button>

</td>

<td>

<button class="btn btn-op" data-value='radic'>√</button>

</td>

<td>

<button class="btn" data-value='3'>3</button>

</td>

<td>

<button class="btn" data-value='2'>2</button>

</td>

<td>

<button class="btn" data-value='1'>1</button>

</td>

<td>

<button class="btn btn-op" data-value='-'>-</button>

</td>

</tr>

<tr>

<td>

<button class="btn btn-op" data-value='exp'>exp</button>

</td>

<td>

<button class="btn btn-op" data-value='x^2'>x²</button>

</td>

<td>

<button class="btn btn-op" data-value='\*\*'>x^</button>

</td>

<td>

<button class="btn btn-op" data-value='.'>.</button>

</td>

<td>

<button class="btn" data-value='0'>0</button>

</td>

<td>

<button class="btn btn-op" data-value='='>=</button>

</td>

<td>

<button class="btn btn-op" data-value='+'>+</button>

</td>

</tr>

</tbody>

</table>

<script>

const actions = document.querySelector('.actions');

const ans = document.getElementById('result');

console.log(actions);

console.log(ans);

let expression = '';

let a = 0;

actions.addEventListener('click', (e) => {

console.log(e.target);

const value = e.target.dataset['value'];

if (value !== undefined) {

if (value == 'ce') {

expression = '';

ans.value = 0;

return true;

}

else if (value == 'x^2') {

expression = square();

}

else if (value == 'radic') {

expression = Math.sqrt(expression);

}

else if (value == 'log') {

expression = Math.log(expression);

}

else if (value == 'sin') {

expression = Math.sin(expression);

}

else if (value == 'cos') {

expression = Math.cos(expression);

}

else if (value == 'tan') {

expression = Math.tan(expression);

}

else if (value == '=') {

const answer = eval(expression);

expression = answer;

} else {

expression += value;

}

if (expression == undefined) {

expression = '';

ans.value = 0;

} else {

ans.value = expression;

}

}

});

const square = () => {

return eval(expression \* expression);

}

</script>

</body>

</html>

**Question 23:**

**Write a program to create a Calendar using JavaScript.**

**HTML:**

<!DOCTYPE html>

<html>

<head>

<meta charset="UTF-8">

<meta http-equiv="X-UA-Compatible" content="IE=edge">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Calendar</title>

</head>

<style>

#navBar {

border: 1px solid black;

width: 94%;

border-radius: 20px;

height: 25px;

padding-top: 5px;

margin-left: 30px;

}

#yr {

width: 50px;

padding: 0px 10px;

}

span {

margin-left: 15px;

margin-right: 15px;

}

button {

border-radius: 10px;

}

table {

border-collapse: collapse;

margin-left: 33px;

margin-top: 10px;

}

td {

border: 1px solid black;

margin: 2px;

height: 52px;

width: 100px;

text-align: center;

}

</style>

<body>

<div id="navBar">

<span>Month:

<select id="sel">

<option id="m0" value="0">January</option>

<option id="m1" value="1">Feburary </option>

<option id="m2" value="2">March</option>

<option id="m3" value="3" selected>April</option>

<option id="m4" value="4">May</option>

<option id="m5" value="5">June</option>

<option id="m6" value="6">July</option>

<option id="m7" value="7">August</option>

<option id="m8" value="8">September</option>

<option id="m9" value="9">October</option>

<option id="m10" value="10">November</option>

<option id="m11" value="11">December</option>

</select>

</span>

<span> Year:<input type="number" value="2023" maxlength="50px" id="yr"></span>

<span>

<button onclick="month()">Generate</button>

</span>

</div>

<table id="tab">

</table>

<script src="calendar.js"></script>

</body>

</html>

**JavaScript:**

month()

function month()

{

let d=new Date()

let tab=document.getElementById("tab")

let yr=parseInt(document.getElementById("yr").value)

tab.innerHTML=""

let sel=document.getElementById("sel")

let noOfDays=new Date(yr,parseInt(sel.value)+1,0).getDate()

let firstDay=new Date(yr,sel.value,1).getDay()

var c=[]

var t=tab.insertRow(0)

let a1=t.insertCell(0)

a1.innerHTML="SUNDAY"

t.insertCell(1).innerHTML="MONDAY"

t.insertCell(2).innerHTML="TUESDAY"

t.insertCell(3).innerHTML="WEDNESDAY"

t.insertCell(4).innerHTML="THURSDAY"

t.insertCell(5).innerHTML="FRIDAY"

let a2=t.insertCell(6)

a2.innerHTML="SATURDAY"

a1.style.fontWeight="bold"

a1.style.color="red"

a2.style.fontWeight="bold"

a2.style.color="red"

t.style.fontWeight="bold"

for(let i=1;i<=42;i++)

{

if(i-firstDay>noOfDays && (i-1)%7==0)

break;

if((i-1)%7==0)

var row=tab.insertRow(Math.floor(i/7)+1)

c[i]=row.insertCell((i-1)%7)

if(i-firstDay>0&&i-firstDay<=noOfDays)

{

c[i].innerHTML=i-firstDay

c[i].style.fontSize="30px"

c[i].style.fontWeight="bold"

c[i].style.textAlign="center"

c[i].style.verticalAlign="bottom"

}

if(i%7==1||i%7==0)

c[i].style.color="red"

}

}

**Question 24:**

**Write a program to create a Stopwatch using JavaScript.**

<!DOCTYPE html>

<html>

<head>

<title>Stopwatch</title>

<style>

body{

background:rgb(0, 0, 0);

}

#timer{

background-color: rgba(240, 248, 255, 0.177);

border: 2px solid rgb(255, 255, 255);

width:700px;

height:60px;

margin:5px;

border-radius:10px;

font-size:50px;

text-align:center;

margin-top:100px;

margin-left: 410px;

color: aliceblue;

}

#start,#reset{

background-color:rgb(52, 52, 52);

border: 2px solid rgb(92, 0, 0);

color: white;

width:100px;

height:30px;

margin:5px;

border-radius:10px;

font-weight:bold;

text-align:center;

}

.button{

text-align:center;

margin:10px;

}

#start:hover,#reset:hover{

cursor: pointer;

background-color:rgb(200, 0, 0);

border: 2px solid rgb(255, 255, 255);

}

</style>

</head>

<body>

<div id="timer">00:00:00</div>

<div class="button">

<button id="start" onclick="start()">Start</button>

<button id="reset" onclick="reset()">Reset</button>

</div>

<script>

var hour = 0, sec = 0, min = 0;

var dispHour = 0, dispMin = 0, dispSec = 0;

var timeoutId = null;

var check = "stop";

function timer() {

sec++;

if (sec / 60 == 1) {

min++;

sec = 0;

if (min / 60 == 1) {

hour++;

min = 0;

}

}

if (sec < 10) { dispSec = "0" + sec.toString(); }

else { dispSec = sec.toString(); }

if (min < 10) { dispMin = "0" + min.toString(); }

else { dispMin = min.toString(); }

if (hour < 10) { dispHour = "0" + hour.toString(); }

else { dispHour = hour.toString(); }

document.getElementById("timer").innerHTML = dispHour + ":" + dispMin + ":" + dispSec;

}

function start() {

if (check === "stop") {

timeoutId = window.setInterval(timer, 1000);

document.getElementById("start").innerHTML = "Stop";

check = "start";

} else {

window.clearInterval(timeoutId);

document.getElementById("start").innerHTML = "Start";

check = "stop";

}

}

function reset() {

window.clearInterval(timeoutId);

sec = 0, min = 0, hour = 0;

document.getElementById("timer").innerHTML = "00:00:00";

document.getElementById("start").innerHTML = "Start";

}

</script>

</body>

</html>

**Question 22:**

**Write a program to change colour of a page using JavaScript.**

<!DOCTYPE html>

<html>

<head>

<title>Color change!</title>

</head>

<body style="background-color: black;">

<button type="button" onclick="colch()" id="butt1"><h1 id="head1">Click me to change colors!</h1></button>

</body>

<script>

function colch(){

let x = Math.floor(Math.random()\*999999);

let y = Math.floor(Math.random()\*600000)

document.body.style.backgroundColor = "#"+x;

document.getElementById("butt1").style.backgroundColor = "#"+y;

document.getElementById("head1").style.color = "#"+x;

}

</script>

</html>

**Question 23a:**

**Write a program to create Date-Time Object using JavaScript.**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta http-equiv="X-UA-Compatible" content="IE=edge">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Document</title>

</head>

<body>

<h3> Click to check current Day and Time</h3>

<input type="button" onclick=daytime() value="Day-Time">

<p id="q1a"></p>

<p id="q1b"></p>

<h3> Click to check current Date</h3>

<input type="button" onclick=curdate() value="Current Date">

<p id="q2"></p>

<h3>Enter two dates to find the difference</h3>

<label>Day 1:</label>

<input type="text" id="d1" placeholder="DD/MM/YYYY">

<label>Day 2:</label>

<input type="text" id="d2" placeholder="DD/MM/YYYY">

<input type="button" onclick=diffdate() value="Check">

<p id="q3"></p>

<h3>Enter the date to count days from the beginning</h3>

<label>Date:</label>

<input type="text" id="dt1" placeholder="MM/DD/YYYY">

<input type="button" onclick=start() value="Check">

<p id="q4"></p>

<h3>Enter two years to find number of sundays on 1st january</h3>

<label>Year 1:</label>

<input type="text" id="y1">

<label>Year 2:</label>

<input type="text" id="y2">

<input type="button" onclick=sundays() value="Check">

<p id="q5"></p>

<h3> Click to check how many days left for christmas</h3>

<input type="button" onclick=christmas() value="Christmas Time">

<p id="q6"></p>

<h3>Enter Your Birthday</h3>

<label>Date:</label>

<input type="text" id="b1" placeholder="MM/DD/YYYY">

<input type="button" onclick=birthday() value="Check">

<p id="q7"></p>

<script>

function daytime() {

var d = new Date();

var day = d.getDay();

var h = d.getHours();

var m = d.getMinutes();

var s = d.getSeconds();

var x;

days = ['Sunday', 'Monday', 'Tuesday', 'Wednesday', 'Thursday', 'Friday', 'Saturday']

if (h == 0)

h = 12

if (h > 12) {

x = "PM";

h = h - 12;

}

else

x = "AM";

document.getElementById("q1a").innerHTML = "Today is : " + days[day];

document.getElementById("q1b").innerHTML = "Current time is : " + h + " " + x + " : " + m + " : " + s;

}

function curdate() {

var d = new Date();

document.getElementById("q2").innerHTML = "Current Date: " + d.getDate() + "-" + (d.getMonth() + 1) + "-" + d.getFullYear();

}

function diffdate() {

var dt1 = new Date(document.getElementById("d1").value);

var dt2 = new Date(document.getElementById("d2").value);

var oneday = 1000 \* 60 \* 60 \* 24;

var x = Math.floor((Date.UTC(dt2.getFullYear(), dt2.getMonth(), dt2.getDate()) - Date.UTC(dt1.getFullYear(), dt1.getMonth(), dt1.getDate())) / oneday);

document.getElementById("q3").innerHTML = "Difference between two dates: " + x;

}

function start() {

var dt1 = new Date(document.getElementById("dt1").value);

var dt2 = new Date(dt1.getFullYear(), 00, 01);

var oneday = 1000 \* 60 \* 60 \* 24;

var x = Math.floor((Date.UTC(dt1.getFullYear(), dt1.getMonth(), dt1.getDate()) - Date.UTC(dt2.getFullYear(), dt2.getMonth(), dt2.getDate())) / oneday);

document.getElementById("q4").innerHTML = "Number of days passed since beginning of year: " + x;

}

function sundays() {

var year1 = document.getElementById("y1").value;

var year2 = document.getElementById("y2").value;

var diff = year2 - year1;

var count = 0;

var year = +year1;

for (var i = 0; i <= diff; i++) {

var d = new Date(year, 00, 01);

var day = d.getDay()

if (day == 0)

count += 1

year += 1

}

document.getElementById("q5").innerHTML = "No. of 1st january that were sunday: " + count;

}

function christmas() {

var d = new Date();

var xmas = new Date(d.getFullYear(), 11, 25);

if (d.getDate() > 25 && d.getMonth() == 11) {

xmas.setFullYear(xmas.getFullYear() + 1);

}

var oneday = 1000 \* 60 \* 60 \* 24;

var x = Math.ceil((xmas.getTime() - d.getTime()) / oneday);

document.getElementById("q6").innerHTML = x + " days left for Christmas";

}

function birthday() {

var d = new Date();

var birth = new Date(document.getElementById("b1").value);

if ((birth.getTime() - d.getTime()) < 0) {

birth.setFullYear(birth.getFullYear() + 1);

}

var oneday = 1000 \* 60 \* 60 \* 24;

var x = Math.ceil((birth.getTime() - d.getTime()) / oneday);

document.getElementById("q7").innerHTML = x + " days left for your birthday";

}

</script>

</body>

</html>

**Question 19:**

**Write a program to use JavaScript and do the following.**

**WAP to make 3 columns in table Name, Age, Salary and initialize them as NULL and take input using prompt to replace those NULL space and display Not NULL values.**

<!DOCTYPE html>

<html>

<head>

<title>Prompt</title>

</head>

<body>

<table border="1px">

<tr>

<th>Name</th>

<th>Salary</th>

<th>Age</th>

</tr>

<tr>

<td id="td11">NULL</td>

<td id="td12">NULL</td>

<td id="td13">NULL</td>

</tr>

</table>

<button onclick="pro(document.getElementById('td11'),document.getElementById('td12'),document.getElementById('td13'))">Table</button>

<script>

function pro(a,b,c)

{

a = prompt("Name");

b = prompt("Salary");

c = prompt("Age");

if(a!="NULL"&&b!="NULL"&&c!="NULL")

{

document.getElementById("td11").innerHTML=a;

document.getElementById("td12").innerHTML=b;

document.getElementById("td13").innerHTML=c;

}

}

</script>

</body>

</html>