

Q1) Create your resume page as per the format shown in the figure on LHS.

```

<!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>Shubham Gudekar</title>
</head>

<body>
    <h1 style="padding-left: 17%; "><u>Resume</u></h1>
    <p><b>Shubham Gudekar</b><br />
        Samartha Krupa Appt. Room No. 302<br />
        Chiplun - 415605,<br />
        Ratnagiri,Maharashtra.<br />
        Mobile No. : 8087226422<br />
        <b>Email : </b>gudekarshubham@gmail.com
    </p>
    <hr size="2">
    <h2>Educational Qualifications :</h2>
    <table width=50% style="text-align: left;">
        <tr>
            <th>Qualification </th>
            <th>Institute </th>
            <th>University </th>
            <th>Marks </th>
            <th>Year of Passing </th>
        </tr>
        <tr>
            <td>BE (Electrical)</td>
            <td>FAMT</td>
            <td>Mumbai University</td>
            <td>60.5%</td>
            <td>2017</td>
        </tr>
        <tr>
            <td>HSC</td>
            <td>DBJ College</td>
            <td>Kolhapur Board</td>
            <td>75.5%</td>
            <td>2013</td>
        </tr>
        <tr>
            <td>SSC</td>
            <td>CJCS</td>
            <td>Kolhapur Board</td>
            <td>90.5%</td>
            <td>2011</td>
        </tr>
    </table>
</body>

```

```

</table>
<h2>Skill Set :</h2>
<table style="text-align: left;">
    <tr>
        <th>Operating System : </th>
        <td>Windows 11</td>
    </tr>
    <tr>
        <th>Language : </th>
        <td>JAVA,C++</td>
    </tr>
    <tr>
        <th>Front End : </th>
        <td>VB 6.0</td>
    </tr>
    <tr>
        <th>DBMS : </th>
        <td>Oracle 9i</td>
    </tr>

</table>
</body>

</html>

```

## Resume

### **Shubham Gudekar**

Samartha Krupa Appt. Room No. 302

Chiplun - 415605,

Ratnagiri,Maharashtra.

Mobile No. : 8087226422

**Email :** gudekarshubham@gmail.com

---

## **Educational Qualifications :**

<b>Qualification</b>	<b>Institute</b>	<b>University</b>	<b>Marks</b>	<b>Year of Passing</b>
BE (Electrical)	FAMT	Mumbai University	60.5%	2017
HSC	DBJ College	Kolhapur Board	75.5%	2013
SSC	CJCS	Kolhapur Board	90.5%	2011

## **Skill Set :**

**Operating System :** Windows 11

**Language :** JAVA,C++

**Front End :** VB 6.0

**DBMS :** Oracle 9i

Q2) Create a web page to display a list as shown in the figure on RHS:

```
<!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>Types Of List</title>
</head>

<body>
    <ol>
        <li>Language
            <ol type="i">
                <li>English
                    <ol type="A">
                        <li>Prose</li>
                        <li>Poetry</li>
                    </ol>
                </li>
                <li>Hindi
                    <ol type="A">
                        <li>Prose</li>
                        <li>Poetry</li>
                    </ol>
                </li>
                <li>Marathi
                    <ol type="A">
                        <li>Prose</li>
                        <li>Poetry</li>
                    </ol>
                </li>
            </ol>
        </li>
        <li>Social Study
            <ol type="i">
                <li>History</li>
                <li>Geography</li>
            </ol>
        </li>
        <li>Science
            <ol type="i">
                <li>Physics
                    <ol type="A">
                        <li>Part 1</li>
                        <li>Part 2</li>
                    </ol>
                </li>
                <li>Chemistry
                    <ol type="A">
```

### WPT Assignment

```
<li>Organic</li>
    <li>Inorganic</li>
</ol>
</li>
<li>Biology
    <ol type="A">
        <li>Botany</li>
        <li>Zoology</li>
    </ol>
</li>
</ol>
</li>
<li>Maths
    <ol type="i">
        <li>Alegbra</li>
        <li>Geometry</li>
    </ol>
</li>
</ol>
</body>

</html>
```

1. Language
  - i. English
    - A. Prose
    - B. Poetry
  - ii. Hindi
    - A. Prose
    - B. Poetry
  - iii. Marathi
    - A. Prose
    - B. Poetry
2. Social Study
  - i. History
  - ii. Geography
3. Science
  - i. Physics
    - A. Part 1
    - B. Part 2
  - ii. Chemistry
    - A. Organic
    - B. Inorganic
  - iii. Biology
    - A. Botany
    - B. Zoology
4. Maths
  - i. Alegbra
  - ii. Geometry

Q3a) Create a web page to display tables as shown in the figures below. Clicking on link should lead the user to another document that displays a brief description of the book and review comments.

```
<!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>Books</title>
</head>
<body>
    <h2>List of Books</h2>
    <table border="1">
        <tr>
            <th>Book Title</th>
            <th>Author</th>
            <th>Book Price</th>
        </tr><tr>
            <td><a href="corejava.html" target="_blank">Core Java</a></td>
            <td>Cay Horstman</td>
            <td>400</td>
        </tr>
        <tr>
            <td><a href="beginningjava.html" target="_blank">Beginning Java</a></td>
            <td>Ivar Horton</td>
            <td>600</td>
        </tr>
        <tr>
            <td><a href="learningjava.html" target="_blank">Learning Java</a></td>
            <td>Kishori Shahane</td>
            <td>400</td>
        </tr>
        <tr>
            <td><a href="javacookbook.html" target="_blank">Java CookBook</a></td>
            <td>John Keller</td>
            <td>800</td>
        </tr>
    </table>
</body>
</html>
```

## List of Books

<b>Book Title</b>	<b>Author</b>	<b>Book Price</b>
<a href="#">Core Java</a>	Cay Horstman	400
<a href="#">Beginning Java</a>	Ivar Horton	600
<a href="#">Learning Java</a>	Kishori Shahane	400
<a href="#">Java CookBook</a>	John Keller	800

Q3b) Problem statement-3-b : Apply CSS wherever relevant

```
<!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>
    <style>
        #title {
            text-align: initial;
            font-size: 60px;
            font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;
            color: rgb(40, 145, 153)
        }

        #dome {
            height: 7%;
            width: 7%;
        }

        .topnav {
            background-color: rgb(40, 145, 153);
            overflow: hidden;
        }

        .topnav a {
            text-align: center;
            float: left;
            font-size: 110%;
            padding: 0.6% 2.5%;
            text-decoration: none;
            color: white;
            font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;
        }

        .topnav a:hover {
            background-color: lightgray;
            color: black;
        }

        .schedutable,
        th,
        td {
            border: 1px solid black;
            border-collapse: collapse;
            font-size: 100%;
            text-align: center;
            font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;
            padding-top: 0.3%;
        }
    </style>

```

```
padding-bottom: 0.3%;  
}  
  
.scheduletable {  
    width: 100%;  
}  
  
td {  
    vertical-align: top;  
    text-align: left;  
}  
  
#bottominfo2 {  
    font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;  
    border: 0px;  
}  
  
.fcontainer {  
    display: flex;  
    flex-direction: row;  
    justify-content: left;  
}  
  
.fchild1 {  
    text-align: left;  
    font-size: 120%;  
    font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;  
    width: 40%;  
}  
  
.fchild2 {  
    margin-left: 10%;  
    width: 35%;  
    padding: 0.5% 0% 0.5% 1%;  
    text-align: right;  
    font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;  
    border: 3px solid rgb(179, 95, 179);  
    box-shadow: 5px 5px gray;  
    border-radius: 10px;  
    font-size: 110%;  
}  
  
.footer {  
    text-align: center;  
    background-color: rgb(40, 145, 153);  
    color: white;  
    font-family: 'Franklin Gothic Medium', 'Arial Narrow', Arial, sans-serif;  
    padding: 0.2% 0% 0.2% 0%;  
}  
    }  
    </style>  
</head>
```

```
<body>
    <div id="title">
        Hamilton<br>Conference Center
    </div>
    <div class="topnav">
        <a class="navlinks" href="hamilton.html">Home Page</a>
        <a class="navlinks" href="hamilton.html">Reservations</a>
        <a class="navlinks" href="hamilton.html">Facilities</a>
        <a class="navlinks" href="hamilton.html">Virtual tour</a>
        <a class="navlinks" href="hamilton.html">Staff</a>
        <a class="navlinks" href="hamilton.html">Calender of Events</a>
        <a class="navlinks" href="hamilton.html">Contact Info</a>
        <a class="navlinks" href="hamilton.html">Directions</a>
        <a class="navlinks" href="hamilton.html">FAQ</a>
    </div>
    <div style="color: black;text-align: right;font-size: 105%; font-family: Verdana, Geneva, Tahoma, sans-serif;">
        <p>Reservations for Conference room<br>Tuesday, April 11</p>
    </div>
    <table class="scheduletable">
        <tr style="background-color: rgb(40, 145, 153);color: white;">
            <th></th>
            <th colspan="8">Morning</th>
            <th colspan="2">Noon</th>
            <th colspan="8">Afternoon</th>
        </tr>
        <tr style="background-color: rgb(40, 145, 153);color: white;">
            <th>Room</th>
            <th>8:00</th>
            <th>8:30</th>
            <th>9:00</th>
            <th>9:30</th>
            <th>10:00</th>
            <th>10:30</th>
            <th>11:00</th>
            <th>11:30</th>
            <th>12:00</th>
            <th>12:30</th>
            <th>1:00</th>
            <th>1:30</td>
            <th>2:00</th>
            <th>2:30</td>
            <th>3:00</th>
            <th>3:30</th>
            <th>4:00</th>
            <th>4:30</th>
        </tr>
        <tr>
            <td>Sunrise<br>Room</td>
            <td colspan="4">Marriage Encounter</td>
            <td colspan="4"></td>
            <td colspan="2">Marriage<br>Encounter<br>Luncheon</td>
        </tr>
```

### WPT Assignment

```
<td colspan="4"></td>
<td colspan="4">Marriage Encounter Talks</td>
</tr>
<tr>
    <td>Mountain<br>View Room</td>
    <td colspan="2">BreakFast Club<br>for Ohio</td>
    <td colspan="4"></td>
    <td colspan="4">Ohio Conference of Librarians</td>
    <td colspan="2"></td>
    <td colspan="6">Ohio Book Resale Setup</td>
</tr>
<tr>
    <td>Arbor Hall</td>
    <td colspan="8">Computer Expo Set Up</td>
    <td colspan="2"></td>
    <td colspan="8">Computer Expo Opening Session</td>
</tr>
<tr>
    <td>Mitchell<br>Theatre</td>
    <td colspan="14"></td>
    <td colspan="4">Youth Theatre</td>
</tr>
<tr>
    <td>Gold Room</td>
    <td colspan="2"></td>
    <td colspan="3">The Tompskins Group</td>
    <td colspan="3">Pearson Planning</td>
    <td colspan="4"></td>
    <td colspan="3">Mothers of Multiples</td>
    <td colspan="3">Teen Connection</td>
</tr>
<tr>
    <td>Blue Room</td>
    <td colspan="2"></td>
    <td colspan="3">Retirement Planning</td>
    <td colspan="3">The Senior Group</td>
    <td colspan="2">Senior<br>Luncheon</td>
    <td colspan="5">Senior Classes</td>
    <td colspan="3">Tutoring</td>
</tr>
<tr>
    <td>Green<br>Room</td>
    <td colspan="2"></td>
    <td colspan="4">Drivers' Ed</td>
    <td colspan="5">Movie Club</td>
    <td colspan="4"></td>
    <td colspan="3">Tutoring</td>
</tr>

</table>
<br>
<div class="fcontainer">
```

## WPT Assignment

```
<div class="fchild1">
    <p>To reserve a room, please contact Yancy Inwe at extension
        388 or by e-mail at <a href="mailto:yancyinwe@hconfcenter.org">yancyinwe@hconfcenter.org</a>
            Reservations should be made at least 48 hours in advance. Cancellations
require 24 hour
            notice. Room deposits will not be returned for cancellations within 24
hours of the scheduled
            event.</p>
</div>
<div class="fchild2">
    <table>
        <tr>
            <td id="bottominfo2">Sunrise Room</td>
            <td id="bottominfo2">Maximum Capacity: 80</td>
        </tr>
        <tr id="bottominfo2">
            <td id="bottominfo2">Mountain View Room</td>
            <td id="bottominfo2">Maximum Capacity: 150</td>
        </tr>
        <tr id="bottominfo2">
            <td id="bottominfo2">Arbor Hall</td>
            <td id="bottominfo2">Maximum Capacity: 190</td>
        </tr>
        <tr id="bottominfo2">
            <td id="bottominfo2">Mitchell Theatre</td>
            <td id="bottominfo2">Maximum Capacity: 120</td>
        </tr>
        <tr id="bottominfo2">
            <td id="bottominfo2">Gold Room</td>
            <td id="bottominfo2">Maximum Capacity: 40</td>
        </tr>
        <tr id="bottominfo2">
            <td id="bottominfo2">Blue Room</td>
            <td id="bottominfo2">Maximum Capacity: 30</td>
        </tr>
        <tr id="bottominfo2">
            <td id="bottominfo2">Green Room</td>
            <td id="bottominfo2">Maximum Capacity: 55</td>
        </tr>
    </table>
</div>
</div>
<br>
<div class="footer">
    HAMILTON CONFERENCE CENTER . 8711 WEST PARK LANE . HAMILTON, OH 45011 . (513) 555-
7911
</div>
</body>
</html>
```

## WPT Assignment


[Home Page](#)
[Reservations](#)
[Facilities](#)
[Virtual tour](#)
[Staff](#)
[Calender of Events](#)
[Contact Info](#)
[Directions](#)
[FAQ](#)

Reservations for Conference room  
Tuesday, April 11

Room	Morning								Noon		Afternoon									
	8:00	8:30	9:00	9:30	10:00	10:30	11:00	11:30	12:00	12:30	1:00	1:30	2:00	2:30	3:00	3:30	4:00	4:30		
Sunrise Room	Marriage Encounter								Marriage Encounter Luncheon						Marriage Encounter Talks					
Mountain View Room	Breakfast Club for Ohio						Ohio Conference of Librarians				Ohio Book Resale Setup									
Arbor Hall	Computer Expo Set Up								Computer Expo Opening Session								Youth Theatre			
Gold Room				The Tompkins Group		Pearson Planning							Mothers of Multiples			Teen Connection				
Blue Room				Retirement Planning		The Senior Group			Senior Luncheon		Senior Classes				Tutoring					
Green Room	Drivers' Ed				Movie Club												Tutoring			

To reserve a room, please contact Yancy Inwe at extension 388 or by e-mail at [yancyinwe@conference.org](mailto:yancyinwe@conference.org). Reservations should be made at least 48 hours in advance. Cancellations require 24 hour notice. Room deposits will not be returned for cancellations within 24 hours of the scheduled event.

Sunrise Room	Maximum Capacity: 80
Mountain View Room	Maximum Capacity: 150
Arbor Hall	Maximum Capacity: 190
Mitchell Theatre	Maximum Capacity: 120
Gold Room	Maximum Capacity: 40
Blue Room	Maximum Capacity: 30
Green Room	Maximum Capacity: 55

file:///C:/Users/dhc/Desktop/hamilton.html

HAMILTON CONFERENCE CENTER , 8711 WEST PARK LANE , HAMILTON, OH 45011 . (513) 585-7911

Q4) Create a Web page on any particular topic. Be sure to bring images in like the sample web page below.

```
<!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>Stratovolcanoes</title>
</head>

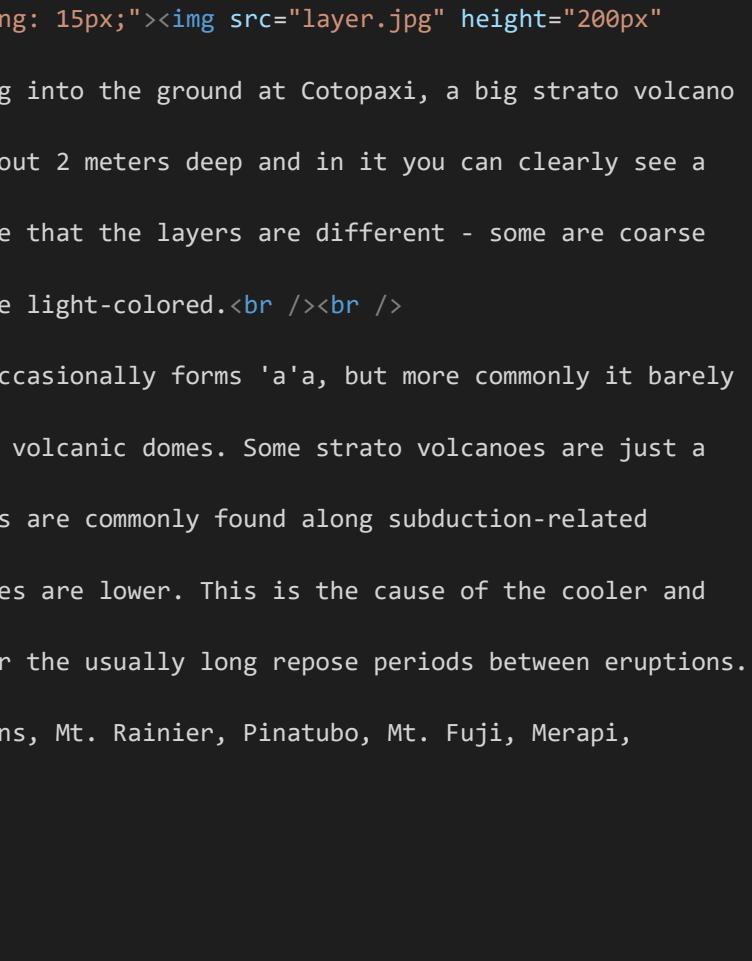
<body>
    <div style="border: 2px solid lightblue;padding: 10px;">
        <h1>Stratovolcanoes</h1>
        <p>Strato Volcanoes comprise the largest percentage (~60%) of the Earth's individual volcanoes and most are characterized by eruptions of andesite and dacite - lavas that are cooler and more viscous than basalt. These more viscous lavas allow gas pressures to build up to high levels (they are effective "plugs" in the plumbing), therefore these volcanoes often suffer explosive eruptions.<br />

        <div style="float: left;padding: 15px;"></div>
        Stratovolcanoes are usually about half-half lava and pyroclastic material, and the layering of these products gives them their other common name of composite volcanoes.<br />
        <br />
    </div>
</body>
```

## WPT Assignment

This is a schematic diagram of a strato volcano, intended to illustrate the different layers of different materials that comprise them. The purple colors are meant to represent ash layers, either the products of fall-out from big eruption clouds or the products of pyroclastic flows. Notice that these ash layers tend to be thin but widespread. The orange colors represent lava flows, and note that some of them have cinder cones associated with them at the vent. The green colors are meant to represent lava domes, and notice that they do not flow very far. Each eruption, regardless of what it produces, is fed from the magma chamber by a dike. Most dikes come up through the center of the volcano and therefore most eruptions occur from at or near the summit. However, some dikes head off sideways to feed eruptions on the flanks.

<br /><br />



This is a pit that has been dug into the ground at Cotopaxi, a big strato volcano near Quito, the capital city of Ecuador. The pit is about 2 meters deep and in it you can clearly see a number of ash layers exposed. It is also easy to see that the layers are different - some are coarse and others are fine, some are dark-colored and others are light-colored.

<br /><br />

The lava at strato volcanoes occasionally forms 'a'a, but more commonly it barely flows at all, preferring to pile up in the vent to form volcanic domes. Some strato volcanoes are just a collection of domes piled up on each other. Strato volcanoes are commonly found along subduction-related volcanic arcs, and the magma supply rates to strato volcanoes are lower. This is the cause of the cooler and differentiated magma compositions and the reason for the usually long repose periods between eruptions. Examples of strato volcanoes include Mt. St. Helens, Mt. Rainier, Pinatubo, Mt. Fuji, Merapi, Galeras, Cotopaxi, and super plenty others.

</p>

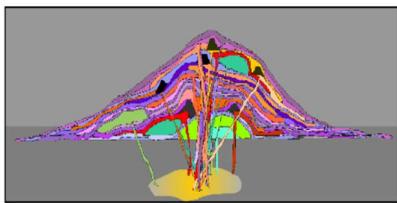
</div>

</body>

</html>

## Stratovolcanoes

Strato Volcanoes comprise the largest percentage (~60%) of the Earth's individual volcanoes and most are characterized by eruptions of andesite and dacite - lavas that are cooler and more viscous than basalt. These more viscous lavas allow gas pressures to build up to high levels (they are effective "plugs" in the plumbing), therefore these volcanoes often suffer explosive eruptions.



Strato volcanoes are usually about half-half lava and pyroclastic material, and the layering of these products gives them their other common name of composite volcanoes.

This is a schematic diagram of a strato volcano, intended to illustrate the different layers of different materials that comprise them. The purple colors are meant to represent ash layers, either the products of fall-out from big eruption clouds or the products of pyroclastic flows. Notice that these ash layers tend to be thin but widespread. The orange colors represent lava flows, and note that some of them have cinder cones associated with them at the vent. The green colors are meant to represent lava domes, and notice that they do not flow very far. Each eruption, regardless of what it produces, is fed from the magma chamber by a dike. Most dikes come up through the center of the volcano and therefore most eruptions occur from at or near the summit. However, some dikes head off sideways to feed eruptions on the flanks.

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The lava at strato volcanoes occasionally forms 'a'a, but more commonly it barely flows at all, preferring to pile up in the vent to form volcanic domes. Some strato volcanoes are just a collection of domes piled up on each other. Strato volcanoes are commonly found along subduction-related volcanic arcs, and the magma supply rates to strato volcanoes are lower. This is the cause of the cooler and differentiated magma compositions and the reason for the usually long repose periods between eruptions. Examples of strato volcanoes include Mt. St. Helens, Mt. Rainier, Pinatubo, Mt. Fuji, Merapi, Galeras, Cotopaxi, and super plenty others.



Q5) Create a web page to display a table as shown in the figure below. Apply CSS wherever relevant.

```
<!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>
    <h1 style="text-align:center;">Application form</h1>
    <form method="post">
        <table border="1" bgcolor="pink" cellspacing="0" cellpadding="5"
bordercolor="black">
            <!-- name -->

            <tr>
                <td><label for="uname">Name :</label></td>
                <td> <input type="text" name="uname" id="uname"></td>
            </tr>
            <!-- employee id -->
            <tr>
                <td><label for="empid">Employee code :</label></td>
                <td> <input type="number" name="empid" id="empid" min="1"></td>
            </tr>
            <!-- department -->

            <tr>
                <td rowspan="4"><label for="department">Department :</label></td>
                <td> <input type="radio" name="department" value="ADMIN">ADMIN</td>
            </tr>
```

### WPT Assignment

```
<tr>
    <td> <input type="radio" name="department" value="HR">HR</td>
</tr>
<tr>
    <td> <input type="radio" name="department"
value="TECHNICAL">TECHNICAL</td>
</tr>
<tr>
    <td> <input type="radio" name="department" value="ACCOUNTS">ACCOUNTS</td>
</tr>

<!-- date of joining -->
<tr>
    <td><label for="joindate">Date of joining :</label></td>
    <td><input type="date" name="joindate" id="joindate"></td>
</tr>

<!-- Address -->
<tr>
    <td><label for="myaddr">Address :</label></td>
    <td><textarea rows="5" columns="20" noresize name="myaddr"
id="myaddr"></textarea></td>
</tr>

<!-- training program attended -->
<tr>
    <td rowspan="4"><label>Training programs attended :</label></td>
    <td><input type="checkbox" name="TPA" id="html&dhtml"><label
for="html&dhtml">HTML/DHTML</label></td>
</tr>

<tr>
    <td><input type="checkbox" name="TPA" id="java"><label
for="java">JAVA</label></td>
</tr>

<tr>
    <td><input type="checkbox" name="TPA" id="client/server"><label
for="client/server">CLIENT/SERVER</label></td>
</tr>

<tr>
    <td><input type="checkbox" name="TPA" id=".net"><label
for=".net">.NET</label></td>
</tr>

<tr>
    <td><label for="city">Training programmes need to attend</label></td>
    <td>
        <select name="city" id="city" value="2">
            <option value="JAVASCRIPT" selected>JAVASCRIPT</option>
            <option value="JAVASTRUT" selected>JAVASTRUT</option>
    </td>

```

```

        </select>
    </td>
</tr>

<!-- send info -->
<tr>
    <td>Send the information at : </td>
    <td>
        <a href="mailto:empinfo@patni.com">empinfo@patni.com</a>
    </td>
</tr>
</table>
</form>
</body>

</html>

```

## Application form

Name :	<input type="text"/>
Employee code :	<input type="text"/> <input type="button" value="▼"/>
Department :	<input type="radio"/> ADMIN
	<input type="radio"/> HR
	<input type="radio"/> TECHNICAL
	<input type="radio"/> ACCOUNTS
Date of joining :	<input type="text"/> mm / dd / yyyy
Address :	<input type="text"/>
Trainning programs attended :	<input type="checkbox"/> HTML/DHTML
	<input type="checkbox"/> JAVA
	<input type="checkbox"/> CLIENT/SERVER
	<input type="checkbox"/> .NET
Trainning programmes need to attend	<input type="text"/> JAVASTRUT ▼
Send the information at :	<a href="mailto:empinfo@patni.com">empinfo@patni.com</a>

Q6)

```

<!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>
    <div>
        <form style="border:solid 2px; border-color: blue;font-size:large;height:1300px;">

            <table>
                <!-- internet survey heading -->
                <tr>
                    <td>
                        <h2>Internet Usage Survey</h2>
                    </td>
                </tr>

                <!-- form description -->
                <tr>
                    <td>
                        This survey is being conducted to help identify the internet usage
                        patterns of
                        our customers.<br>Please take a few moments to complete and submit
                        this short form.
                        Thank you for your co-operation.
                    </td>
                </tr>

                <!-- internet type choice -->
                <tr style="height:130px">
                    <td>
                        <label for="internet">What type of internet connection do you
                        have?<br>(select one)</label>
                    </td>

                    <td style="position: relative;right: 80px;">
                        <select name="internet" id="internet">
                            <option value="Dial-up" selected>Dial-up</option>
                            <option value="Dsl">Dsl</option>
                            <option value="High speed cable">High speed cable</option>
                            <option value="other">other</option>
                        </select>
                    </td>
                </tr>
        </form>
    </div>
</body>

```

```

        <!-- choice for type of device -->
<tr style="height: 30px">
    <td>
        <label for="internet">What type of computer do you use most at
home?</label>
    </td>

    <td style="position: relative;right: 80px;"><label
for="device"></label>
        <input type="radio" name="device" id="btn1"><label
for="btn1">Desktop</label></button>
        <input type="radio" name="device" id="btn2" checked><label
for="btn2">Laptop</label></button>
    </td>
</tr>

        <!-- reason for choosing the internet -->

<tr>
    <td style="position: relative;left: 730px;top: 50px;"><label
for="purpose"></label>
        <input type="radio" name="purpose" id="btn1"><label for="btn1"
checked>To do work-related
            activites<br></label>
        <input type="radio" name="purpose" id="btn2"><label for="btn2">To
do school-related
            activites<br></label>
        <input type="radio" name="purpose" id="btn2"><label for="btn2">For
entertainment
            purpose<br></label>
        <input type="radio" name="purpose" id="btn2"><label
for="btn2">other
            activites<br></label>
    </td>
</tr>

<tr style="height: 15px;">
    <td>
        <label for="internet">How would you describe your main reason for
using the internet?</label>
    </td>
</tr>

        <!-- fieldsets -->
<tr>
    <!-- 1st fieldset portion -->
<td style="position:relative;height:370px;">
    <fieldset style="height:250px; width:550px">
        <legend align="left">Types of sites visited</legend>

```

### WPT Assignment

```
<p>
    <label for="websites">What type of websites do you access
most often?<br>
        check all that apply<br><br></label>

    <input type="checkbox" name="websites" id="web1"><label
for="web1">Self
        Improvement<br></label>
    <input type="checkbox" name="websites" id="web2"><label
for="web2">Entertainment<br></label>
    <input type="checkbox" name="websites" id="web3"><label
for="web3">News and
        sports<br></label>
    <input type="checkbox" name="websites" id="web4"><label
for="web4">Reference<br></label>
    <input type="checkbox" name="websites" id="web5"><label
for="web5">Email<br></label>
</p>
</fieldset>
</td>

<!-- 2nd fieldset portion -->
<td style="position:relative;height:370px;right: 90px;">
    <fieldset style="height:250px; width:550px">
        <legend align="left">Time spend using internet</legend>

        <p>
            <label for="websites">During an average week, how long do
you spend online?<br>
                check all that apply<br><br></label>

                <input type="radio" name="websites" id="web1"><label
for="web1">0-3 Hours<br></label>
                <input type="radio" name="websites" id="web2"><label
for="web2">4-6 Hours<br></label>
                <input type="radio" name="websites" id="web3"><label
for="web3">7-10
                    Hours<br></label>
                <input type="radio" name="websites" id="web4"><label
for="web4">11-14
                    Hours<br></label>
                <input type="radio" name="websites" id="web5"><label
for="web5">15+ Hours<br></label>
                </p>
            </fieldset>
        </td>

    </tr>

<!-- comment box -->
```

### WPT Assignment

```
<tr>
    <td><label for="comment">Please comment on your opinions concerning
Internet privacy and
        safety<br></label>
        <textarea rows="4" cols="20" style="height:80px;width:800px;" name="comment"
            id="commid"></textarea>
    </td>
</tr>


<tr style="height: 100px">
    <td>
        <label for="Fname">First Name:</label>
        <input type="text" name="Fname" id="nameid" placeholder="First
name">
    </td>

    <td style="position: relative;right: 80px;">
        <label for="Lname">Last Name:</label>
        <input type="text" name="Lname" id="nameid" placeholder="Last
name">
    </td>
</tr>


<tr style="height: 100px">
    <td>
        <label for="age">Age:</label>
        <input type="number" name="age" id="ageid" placeholder="18"
min="18" max="99">
    </td>

    <td style="position: relative;right: 80px;">
        <label for="zipcode">Zipcode:</label>
        <input type="number" name="zipcode" id="zipid"
placeholder="zipcode">
    </td>
</tr>


<tr style="height: 100px;">
    <td style="position: relative;text-align: center;left: 170px;">
        <button type="submit" name="clksubmt" id="clkbsb">click to
submit</button>
    </td>
</tr>
```

### WPT Assignment

```
<td style="position:relative;right: 120px;">
    <button type="reset" name="resetbtn" id="rsetbtn">Clear
form</button>
</td>

        </tr>
    </table>
</form>
</div>
</body>

</html>
```

#### Internet Usage Survey

This survey is being conducted to help identify the internet usage patterns of our customers.  
Please take a few moments to complete and submit this short form. Thank you for your co-operation.

What type of internet connection do you have?  
(select one)

Dial-up ▾

What type of computer do you use most at home?

Desktop  Laptop

How would you describe your main reason for using the internet?

- To do work-related activites  
 To do school-related activites  
 For entertainment purpose  
 other activites

—Types of sites visited—

What type of websites do you access most often?  
check all that apply

- Self Improvement  
 Entertainment  
 News and sports  
 Reference  
 Email

—Time spend using internet—

During an average week, how long do you spend online?  
check all that apply

- 0-3 Hours  
 4-6 Hours  
 7-10 Hours  
 11-14 Hours  
 15+ Hours

Please comment on your opinions concerning Internet privacy and safety

First Name: First name

Last Name: Last name

Age: 18

Zipcode: zipcode

Q7) Create web page to display table as shown in the figure below.

```
<!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>Calender</title>
<style>
    table,td,tr {
        border:2px solid black;
        border-collapse: collapse;
    }
</style>
</head>

<body>
    <table width="350px" height="350px" >
        <tr>
            <th colspan="7" style="background-color: yellow;">Jan 2022</th>
        </tr>
        <tr style="background-color: palevioletred; text-align: center;">
            <td>Sun</td>
            <td>Mon</td>
            <td>Tue</td>
            <td>Wed</td>
            <td>Thu</td>
            <td style="padding-left: 5px;">Fri</td>
            <td style="padding-left: 5px;">Sat</td>
        </tr>
        <tr style="text-align: center;">
            <td></td>
            <td></td>
            <td></td>
            <td></td>
            <td></td>
            <td style="background-color:yellow;">1</td>
            <td style="background-color:aqua;">2</td>
        </tr>
        <tr style="text-align: center;">
            <td style="background-color: green;">3</td>
            <td>4</td>
            <td>5</td>
            <td>6</td>
            <td>7</td>
            <td>8</td>
            <td style="background-color:aqua;">9</td>
        </tr>
        <tr style="text-align: center;">
            <td style="background-color: green;">9</td>
            <td>10</td>
            <td>11</td>
            <td>12</td>
            <td>13</td>
            <td>14</td>
            <td style="background-color:aqua;">15</td>
        </tr>
        <tr style="text-align: center;">
            <td style="background-color: green;">16</td>
```

### WPT Assignment

```
<td>17</td>
<td>18</td>
<td>19</td>
<td>20</td>
<td>21</td>
<td style="background-color:aqua;">22</td>
</tr>
<tr style="text-align: center;">
    <td style="background-color: green;">23</td>
    <td>24</td>
    <td>25</td>
    <td style="background-color: yellow;">26</td>
    <td>27</td>
    <td>28</td>
    <td style="background-color:aqua;">29</td>
</tr>
<tr style="text-align: center;">
    <td style="background-color: green;">30</td>
    <td>31</td>
    <td></td>
    <td></td>
    <td></td>
    <td></td>
    <td></td>
</tr>
</table>
</body>

</html>
```

Jan 2022						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
					1	2
3	4	5	6	7	8	9
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

Q1)

```
<!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>
    <style>
        div {
            border: 2px solid black;
            padding: 3%;
            width: 510px;
            height: 510px;
        }
    </style>
</head>

<body>
    <div>
        <h2>Appointment Scheduler</h2>
        <fieldset>
            <legend>Personal Information</legend>
            <label for="nm">Name:</label> <br>
            <input type="text" id="nm" required placeholder="enter name" autofocus>
            <br>
            <label for="tl">telephone number:</label> <br>
            <input type="text" id="tl">
            <br>
            <label for="email">email address:</label> <br>
            <input type="text" id="email">
            <br>
            <label for="dt">Date of birth:</label> <br>
            <input type="date" id="dt">
            <br>
        </fieldset>
        <fieldset>
            <legend>Appointment Request</legend>
            <label for="ap">what is the reason for your visit:</label> <br>
            <input type="text" id="ap">
            <br>
            <label for="range">current pain level:</label> <br>
            <input type="range" id="range">
            <br>
            <label for="dt1">preferred date:</label> <br>
            <input type="date" id="dt1">
            <br>
            <label for="dt2"> preferred time:</label> <br>
        </fieldset>
    </div>
</body>
```

### WPT Assignment

```
<input type="time" id="dt2">
<br>
</fieldset><br>
<button type="submit" name="nm" id="btn" value="submit">Submit</button>
</div>
</body>

</html>
```

## Appointment Scheduler

**Personal Information**

Name:

telephone number:

email address:

Date of birth:

**Appointment Request**

what is the reason for your visit:

current pain level: 

preferred date:

preferred time:

Q2)

```
<!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>
    <style>
        div{
```

```
background-color: #4CAF50;
height: auto;
width: 600px;
border-color: #4CAF50;
padding: 5%;

}

#id1{
    border-width: 3px;
    color: white;
    border-color: white;
}

label {
    display: inline-block;
    text-align: right;
}
</style>

</head>
<body>
<div>
    <fieldset id="id1">
        <legend>Registration details</legend>
        <p align="center">
            <label for="uni">University :</label>
            <input type="text" name="name" id="uni" size="20">
            <br><br>
            &ampnbsp     &ampnbsp <label for="ins">Institute :</label>
            <input type="text" name="ins" id="ins" size="20">
            <br><br>

            <label for="branch">Branch :</label>
            <select name="branch" id="branch">
                <option value="1">-----select one---</option>
                <option value="electrical"> electrical</option>
                <option value="computer"> computer</option>
                <option value="mechanical"> mechanical</option>
            </select>
            <br><br>

            <label for="degree">Degree :</label>
            <select name="branch" id="degree">
                <option value="1">-----select one---</option>
                <option value="electrical"> BE</option>
                <option value="computer"> MSC</option>
                <option value="mechanical"> BSC</option>
            </select>
            <br><br>

            <label for="num"> Average CPI:</label>&ampnbsp&ampnbsp
        </p>
    </fieldset>
</div>
</body>
```

### WPT Assignment

```
<input type="number" name="cpi" id="num" size="10" min="0" max="10">
<label for="num1"> upto:</label>
<input type="number" name="cpi" id="num1" size="10" min="0" max="8">th semister
<br><br>

<label for="num3"> Experince:</label>&nbsp;&nbsp;
<input type="number" name="exp" id="num3" min="0" max="100">
<br><br>
<label for="url">your website or blog</label>
<input type="url" id="url" required placeholder="http://"/>
</p>

</fieldset>
<p align="center"><button type="button" id="prev" name="prev"><</button> Step 2
<button type="button" id="next" name="next">></button></p>

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

Registration details

University :

Institute :

Branch :

Degree :

Average CPI:  upto:  th semister

Experince:

your website or blog

< Step 2 >

Q1)

```
<!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>Registration Form</title>
    <style>
        body {
            position: relative;
            background-color: black;
            color: white;
        }

        fieldset {
            border: 2px solid blue;
            border-radius: 15px;
        }

        #maindiv {
            padding-left: 25%;
            position: absolute;
            padding-top: 8%;
        }

        legend {
            background-color: blue;
            border-radius: 10px;
        }

        table td:first-child {
            width: 150px;
            text-align: right;
            padding-right: 2%;
        }

        button {
            background-color: blue;
            color: white;
        }
    </style>
    <script>
        function showPass() {
            if (showPassword.checked == true) {
                document.getElementById("psswd").setAttribute("type", "text");
            }
            else {

```

### WPT Assignment

```
document.getElementById("psswd").setAttribute("type", "password");
    }
}

</script>

</head>

<body>
<div id="maindiv">
    <fieldset style="width: fit-content;">
        <legend>Name and Address</legend>
        <form>
            <table>
                <tr>
                    <td><label for="ssn">SSN : </label></td>
                    <td><input type="text" id="ssn" name="ssn" autofocus> <button type="button" id="btn1">Fill in
                        Name and
                        address</button></td>
                </tr>
                <tr>
                    <td><label for="fn">Fullname : </label></td>
                    <td><input type="text" id="fn" name="fn"></td>
                </tr>
                <tr>
                    <td><label for="sandn">Street and Number : </label></td>
                    <td><input type="text" id="sandn" name="sandn"></td>
                </tr>
                <tr>
                    <td><label for="post">Postal Code : </label></td>
                    <td><input type="text" id="post" name="post"></td>
                </tr>
                <tr>
                    <td><label for="city">City : </label></td>
                    <td><input type="text" id="city" name="city"></td>
                </tr>
            </table>
        </form>
    </fieldset>
    <br />
    <fieldset style="width: fit-content;">
        <legend>Username and Password</legend>
        <form>
            <table>
                <tr>
                    <td><label for="uname">Username :</label></td>
                    <td><input type="text" id="uname" name="uname"></td>
                </tr>
                <tr>
                    <td><label for="psswd">Password :</label></td>
```

### WPT Assignment

```
<td><input type="password" id="psswd" name="psswd"></td>
</tr>
</table>
<input type="checkbox" name="showPasswordCB" id="showPassword"
onchange="showPass()"
    style="margin-left: 50%; "><label for="showPassword">Show
Password</label>
</form>
</fieldset>
<br>
<button type="submit" id="btn2" style="margin-left: 25%;">Register</button>
</div>
</body>

</html>
```

#### Name and Address

SSN :  Fill in Name and address

Fullname :

Street and Number :

Postal Code :

City :

#### Username and Password

Username :

Password :

Show Password

1. Write a program to accept three positive numbers and output the largest of them.

```
<!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>LargestNumber</title>

    <script>
        function findLargest() {
            var fn = parseInt(document.getElementById("fn").value);
            var sn = parseInt(document.getElementById("sn").value);
            var tn = parseInt(document.getElementById("tn").value);
            max = 0;
            if (isNaN(fn) || isNaN(sn) || isNaN(tn)) {
                document.getElementById("mdiv").innerHTML = "Please Enter a valid Number";
                return;
            }
            if (fn >= sn) {
                if (fn > tn)
                    max = fn;
                else
                    max = tn;
            }
            else {
                if (sn > tn)
                    max = sn;
                else
                    max = tn;
            }
            document.getElementById("mdiv").innerHTML = `<br>Max Number : ${max}`;
            document.getElementById("fn").value = "";
            document.getElementById("sn").value = "";
            document.getElementById("tn").value = "";
            document.getElementById("fn").focus();
        }
    </script>
</head>

<body>
    <h2>Find Largest Number</h2>
    <form>
        <table>
            <tr>
                <td>First Number : </td>
```

### WPT Assignment

```
<td><input type="number" id="fn" name="fn" required autofocus></td>
</tr>
<tr>
    <td>Second Number : </td>
    <td><input type="number" id="sn" name="sn" required></td>
</tr>
<tr>
    <td>Third Number : </td>
    <td><input type="number" id="tn" name="tn" required></td>
</tr>
<tr>
    <td colspan="2" style="text-align: center;"><button type="button" id="btn" name="btn"
name="btn">
        onclick="findLargest()">Find Max</button></td>
    </tr>
</table>
</form>
<div id="mdiv">

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

## Find Largest Number

First Number :

Second Number :

Third Number :

**Find Max**

- Accept an integer value and a message from user and print the message that many number of times.

```
<!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>Message</title>
    <script>
        function printText() {
            var txt = document.getElementById("txt").value;
            var num = parseInt(document.getElementById("num").value);
            var divRef = document.getElementById("mdiv");
            if (!isNaN(num)) {
```

```

        divRef.innerHTML = "";
        for (i = 1; i <= num; i++) {
            divRef.innerHTML += `${txt} <br>`;
        }
        document.getElementById("txt").value = "";
        document.getElementById("num").value = "";
        document.getElementById("txt").focus();
    }
    else
        divRef.innerHTML = "Please Enter a valid Number";
}
</script>
</head>

<body>
<h2>Enter message and number</h2>
<form>
    <table>
        <tr>
            <td>Enter String : </td>
            <td><input type="text" id="txt" name="txt"></td>
        </tr>
        <tr>
            <td>Enter Number : </td>
            <td><input type="number" id="num" name="num" min="1"></td>
        </tr>
        <tr>
            <td colspan="2" style="text-align: center;"><button type="button"
onclick="printText()" id="btn"
name="btn">Print</button></td>
        </tr>
    </table>
</form>
<div id="mdiv"></div>
</body>

</html>

```

## Enter message and number

Enter String :

Enter Number :

3. Write a function to list all even numbers less than or equal to the number n. Take the value of n as input from user. Use while loop

```

<!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>Even Numbers</title>
    <script>
        function displayEven() {
            var num = parseInt(document.getElementById("num").value);
            var divRef = document.getElementById("mdiv");
            if(!isNaN(num)){
                divRef.innerHTML = `Even Numbers till ${num} are : `;
                var i = 2;
                while(i<=num){
                    if(i%2==0)
                        divRef.innerHTML +=i+" ";
                    i++;
                }
                document.getElementById("num").value = "";
                document.getElementById("num").focus();
            }
            else
                divRef.innerHTML = "Please Enter a valid Number";
        }
    </script>
</head>
<body>
    <h2>Enter number</h2>
    <form>
        <table>
            <tr>
                <td>Enter Number: </td>
                <td><input type="number" id="num" name="num"></td>
            </tr>
            <tr>
                <td colspan="2" style="text-align: center;"><button type="button"
onclick="displayEven()" id="btn"
name="btn">Print</button></td>
            </tr>
        </table>
    </form>
    <div id="mdiv"></div>
</body>
</html>

```

# Enter number

Enter Number:

**Print**

Even Numbers till 10 are : 2 4 6 8 10

4. Write a function that accepts two numbers and a operator like (+,-,\* , /) from user and performs the appropriate operation indicated by the operator.

```
<!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>Basic Operations</title>

<script>
    function calc() {
        var n1 = parseInt(document.getElementById("n1").value);
        var n2 = parseInt(document.getElementById("n2").value);
        var op = document.getElementById("op").value;
        var divRef = document.getElementById("mdiv");
        if (isNaN(n1) || isNaN(n2)) {
            divRef.innerHTML = "Please Enter a valid Number";
            return;
        }
        switch (op) {
            case '*':
                divRef.innerHTML = `${n1} * ${n2} = ${n1 * n2}`;
                break;

            case '-':
                divRef.innerHTML = `${n1} - ${n2} = ${n1 - n2}`;
                break;

            case '+':
                divRef.innerHTML = `${n1} + ${n2} = ${n1 + n2}`;
                break;

            case '/':
                divRef.innerHTML = `${n1} / ${n2} = ${n1 / n2}`;
                break;
        }
    }
</script>
```

```

</head>

<body>
    <h2>Enter number</h2>
    <form>
        <table>
            <tr>
                <td>First Number: </td>
                <td><input type="number" id="n1" name="n1"></td>
            </tr>
            <tr>
                <td>Second Number: </td>
                <td><input type="number" id="n2" name="n2"></td>
            </tr>
            <tr>
                <td>Operator </td>
                <td><input type="text" id="op" name="op" pattern="[+*/-]"></td>
            </tr>
            <tr>
                <td colspan="2" style="text-align: center;"><button type="button"
onlick="calc()" id="btn"
name="btn">Print</button></td>
            </tr>
        </table>
    </form>
    <div id="mdiv"></div>
</body>

</html>

```

## Enter number

First Number:	<input type="text" value="10"/>	<input type="button" value="^"/>	<input type="button" value="v"/>
Second Number:	<input type="text" value="20"/>	<input type="button" value="^"/>	<input type="button" value="v"/>
Operator	<input type="text" value="*"/>		
<input type="button" value="Print"/>			

$$10 * 20 = 200$$

5. Write a program to print the multiplication table of a given number up to 10 multiples. Eg for number 2,

```

<!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">

```

### WPT Assignment

```
<title>Multiplication Table</title>
<script>

function printTable(){
    var num = parseInt(document.getElementById("num").value);
    var divRef = document.getElementById("mdiv");
    divRef.innerHTML="";
    if(isNaN(num)){
        divRef.innerHTML="Please Enter Valid Number";
        return;
    }
    for(i=1;i<11;i++){
        divRef.innerHTML+=` ${num} * ${i} = ${num*i}<br/>`;
    }
}

</script>
</head>
<body>
    <table>
        <tr>
            <td>Enter Number : </td>
            <td><input name="num" id="num" type="number" min="1"></td>
        </tr>
        <tr>
            <td colspan="2" style="text-align:center;"><button type="button" id="btn" onclick="printTable()">Print Table</button></td>
        </tr>
    </table>
    <div id="mdiv"></div>
</body>
</html>
```

Enter Number :

Print Table

5 \* 1 = 5  
5 \* 2 = 10  
5 \* 3 = 15  
5 \* 4 = 20  
5 \* 5 = 25  
5 \* 6 = 30  
5 \* 7 = 35  
5 \* 8 = 40  
5 \* 9 = 45  
5 \* 10 = 50

## 6. Write a program to find sum of digits of given five-digit number.

```

<!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>

<script>
    function sumoffive() {
        var num = parseInt(document.getElementById("num").value);
        var quo = num;
        var sumofrem = 0;
        var rem;

        while (quo > 0) {
            rem = quo % 10;
            sumofrem += rem;
            quo = parseInt(quo / 10);
        }
        document.getElementById("result").innerHTML = "sum of digits = " + sumofrem;
    }
</script>

<body>

    <form>
        <div style="position:relative; left:20px; top:60px;">
            <label for="num" style="font-size: x-large; align-self:center; height: 60px; top:40px;">Enter number
                :</label>
            <input type="number" name="num" id="num" style="height:20px; width:500px;"><br></input>
        </div>

        <div style="position:relative; top:100px; left:175px;">
            <button type="button" name="btn1" id="btn1" onclick="sumoffive()" style="font-size:larger; align-self:center;">Find sum</button>
        </div>

        <p style="font-size: x-large; align-self:center; position:relative; left:80px; height: 60px; top:110px;">Output
            :</p>

        <div id="result" style="font-size: x-large; align-self:center; width:500px; border-radius:4px; border: solid 1px; height: 100px; top:30px; position: relative; left: 170px;">
    
```

```

        </div>
    </form>

</body>

</html>

```

Enter number :

**Find sum**

Output : **sum of digits = 16**

7. Write a program min() that takes any number of arguments and returns minimum number in the set of arguments. Do not use the Math predefined object

```

<!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>Minimum Number</title>
    <script>
        var i = 0;
        function addEntry() {
            var entry = `<tr>
                <td>Add ${i} number</td>
                <td><input type='text' name='num' id='${i}'></td>
            </tr>`;
            i++;
            document.getElementById("tab").innerHTML += entry;
        }

        function min() {
            var nums = document.getElementsByName("num");

            // var min = nums.reduce((n1,n2) => n1 > n2 ? n2 : n1);
            // document.getElementById("mdiv").innerHTML = `Minimum Number : ${min}`;

            var min = parseInt(nums[0].value);
            for (j = 1; j < nums.length; j++) {
                if (min > parseInt(nums[j].value))
                    min = parseInt(nums[j].value);
            }
        }
    </script>
</head>
<body>
    <table border="1">
        <thead>
            <tr>
                <th>Index</th>
                <th>Number</th>
            </tr>
        </thead>
        <tbody id="tab">
        </tbody>
    </table>
    <div id="mdiv">Minimum Number : </div>
    <button onclick="addEntry()">Add</button>
    <button onclick="min()">Find Min</button>
</body>

```

### WPT Assignment

```
>         }
>     document.getElementById("mdiv").innerHTML += `<br/>Min : ${min}`;

>     }
> </script>
</head>

<body>
<div><button type="button" id="button" onclick="addEntry()">add Number</button>
    <button id="button" onclick="min()">Find Min</button>
</div><br />
<table id="tab" style="float: left;">

</table>
<div id="mdiv"></div>
</body>

</html>
```

**add Number**    **Find Min**

Add 0 number	15	Min : 5
Add 1 number	9	
Add 2 number	46	
Add 3 number	5	

8. Write a function `pow(x,y)` that calculates  $x^y$ . Do not use the `Math` predefined object

```
<!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>Power Calculator</title>
    <script>
        function power() {
            base = parseInt(document.getElementById("base").value);
            pow = parseInt(document.getElementById("pow").value);
            divRef = document.getElementById("mdiv");
            if (isNaN(base) || isNaN(pow)) {
                divRef.innerHTML = `Please Enter Valid Number`;
                return;
            }
        }
    </script>
</head>
<body>
    <input type="text" id="base" value="2" placeholder="Base Value">
    <input type="text" id="pow" value="3" placeholder="Power Value">
    <div id="mdiv"></div>
</body>
</html>
```

```
var mul = 1;
if (pow > 0) {
    while (pow > 0) {
        mul = mul * base;
        pow--;
    }
    divRef.innerHTML = `ans = ${mul}`;
}
else if (pow < 0) {
    while (pow < 0) {
        mul = mul / base;
        pow++;
    }
    divRef.innerHTML = `ans = ${mul}`;
}
else
    divRef.innerHTML = `ans = ${mul}`;

}

</script>
</head>

<body>
<table>
<tr>
<td>Enter Number : </td>
<td><input type="number" name="base" id="base" required></td>
</tr>
<tr>
<td>Enter Power : </td>
<td><input type="number" name="pow" id="pow" required></td>
</tr>
<tr>
<td colspan="2" style="text-align: center;"><button type="button" name="btn" id="btn"
onclick="power()">Calculate Power</button></td>
</tr>
<tr>
<td colspan="2" style="text-align: center;" id="mdiv"></td>
</tr>
</table>
</body>

</html>
```

Enter Number :	<input type="text" value="10"/>	<span style="font-size: 2em;">^</span> <span style="font-size: 2em;">v</span>
Enter Power :	<input type="text" value="2"/>	<span style="font-size: 2em;">^</span> <span style="font-size: 2em;">v</span>
<input type="button" value="Calculate Power"/>		

ans = 100

9. Create a web page to calculate the Compound Interest using the formula given below:

```

<!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>Compound Interest Calculator</title>
    <script>

        function findCI() {
            var principal = parseInt(document.getElementById("principal").value);
            var rate = parseFloat(document.getElementById("rate").value);
            var time = parseFloat(document.getElementById("time").value);
            var compounded = parseInt(document.getElementById("compounded").value);
            var divRef = document.getElementById("mdiv");
            var amount = parseInt(principal);
            if (isNaN(principal) || isNaN(rate) || isNaN(time) || isNaN(compounded)) {
                divRef.innerHTML = `Please Enter Valid Details`;
                return;
            }
            mulFactor = (1 + (rate / (compounded * 100)));
            durattion = time * compounded
            mulFactor = Math.pow(mulFactor, durattion);
            amount = parseFloat(amount * mulFactor).toFixed(2);
            divRef.innerHTML = `Compound Interest : ${amount - principal}`;
        }
    </script>
</head>

<body>
    <table style="margin: auto;">
        <tr>
            <td colspan="2"><h2>Compound Interest Calculator</h2></td>
        </tr>
        <tr>
            <td>Enter Principal : </td>
            <td><input type="number" name="principal" id="principal" required></td>
        </tr>

```

```

<tr>
    <td>Enter Rate : </td>
    <td><input type="number" name="Rate" id="rate" required></td>
</tr>
<tr>
    <td>Enter Time: </td>
    <td><input type="number" name="time" id="time" required></td>
</tr>
<tr>
    <td>Compounded : </td>
    <td><select id="compounded" required>
        <option value="1" selected>Annually</option>
        <option value="2">Semi-Annually</option>
        <option value="4">Quaterly</option>
        <option value="12">Monthly</option>
    </select></td>
</tr>
<tr>
    <td colspan="2" style="text-align: center;"><button type="button" name="btn" id="btn"
        onclick="findCI()">Calculate CI</button></td>
</tr>
<tr>
    <td colspan="2" style="text-align: center;" id="mdiv"></td>
</tr>
</table>
</body>

</html>

```

## Compound Interest Calculator

Enter Principal :	<input type="text" value="1000"/>
Enter Rate :	<input type="text" value="8"/>
Enter Time:	<input type="text" value="6"/>
Compounded :	<input type="button" value="Semi-Annually"/>
<input type="button" value="Calculate CI"/>	

Compound Interest : 601.03

**JS objects**

10. Create a web page that displays the current date in the format specified as in example below. Also as per current time, suitable greeting should be printed.

Today is Monday, 24 April 2000, Welcome, and Good Afternoon to You.

Number of days left till end of year : <display>

```
<!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>Date</title>
    <script>
        function displayDate() {
            var d = new Date();
            const dayName = ["Sunday", "Monday", "Tuesday", "Wednesday", "Thursday",
            "Friday", "Saturday"];
            const monthName = ["January", "February", "March", "April", "May", "June",
            "July", "August", "September", "October", "November", "December"];

            var greetingNum = d.getHours();
            var greeting;
            if (greetingNum < 6 || greetingNum >= 19)
                greeting = "Good Night";
            else if (greetingNum >= 6 && greetingNum < 11)
                greeting = "Good Morning";
            else if (greetingNum >= 11 && greetingNum < 16)
                greeting = "Good Afternoon";
            else
                greeting = "Good Evening";

            var yearEnd = new Date("2022-12-31");
            datediff = yearEnd.getDate() - d.getDate();

            document.getElementById("mdiv").innerHTML = `Today is ${dayName[d.getDay()]} ,
            ${d.getDate()} ${monthName[d.getMonth()]} ${d.getFullYear()}
            <br>Welcome and ${greeting} to you,
            <br>Number of Days left till Year End : ${datediff} days`;
        }
    </script>
</head>

<body onload="displayDate()">
    <div id="mdiv"></div>
</body>

</html>
```

Today is Saturday , 10 December 2022  
 Welcome and Good Afternoon to you,  
 Number of Days left till Year End : 21 days

11. Write a function getWeekDay(date) to show the weekday in short format: 'Mon', 'Tue', 'Wed', 'Thurs', 'Fri', 'Sat', 'Sun'. Eg : let date = new Date(2012, 0, 3); // 3 Jan 2012  
 alert( getWeekDay(date) ); // should output "Tue"

```
<!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>Day of Week</title>
    <script>

        var getWeekDay = () => {

            d = new Date(document.getElementById("ED").value);
            const weekDay = ["Sun", "Mon", "Tue", "Wed", "Thur", "Fri", "Sat"];
            document.getElementById("mdiv").innerHTML = `Day of Week :
${weekDay[d.getDay()]}` ;
        }

    </script>
</head>

<body>
    <table>
        <tr>
            <td>Enter Date</td>
            <td><input type="date" id="ED" name="dt"></td>
        </tr>
        <tr>
            <td colspan="2" style="text-align: center;"><button type="button"
onclick="getWeekDay()">Find Week
                Day</button></td>
        </tr>
        <tr>
            <td colspan="2" style="text-align: center;" id="mdiv"></td>
        </tr>
    </table>
</body>

</html>
```

Enter Date  X

Find Week Day

Day of Week : Sat

12. Accept and store names of 6 employees into array and display in sorted order of names.

```
<!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>Array Of Employee</title>
    <script src="bootstrap-4.6.2-dist/jquery.js"></script>
    <script>
        let i = 0;
        let empData = [];
        $(document).ready(function () {
            $('#empName').click(function () {
                i++;
                $('#addEmp').show();
                $('#tab').append(
                    `<tr>
                        <td>${i} Emp Name : </td>
                        <td><input type='text' id='${i}' name='emp'></td>
                    </tr>`)
            })
        })

        addDetails = () => {
            empData = [];
            emparr = document.getElementsByName("emp")
            for (e of emparr) {
                empData.push(e.value)
            }
        }

        $('#sortEmp').click(function () {
            addDetails();
            empData.sort((a, b) => (a > b) ? 1 : ((b > a) ? -1 : 0))
            str = `<p> Sorted [ ` 
            for (e of empData) {
                str += `${e} `;
            }
            str += ` ]</p> `;
            $('#mdiv').append(str);
        })
    </script>
```

```

        })
    </script>
</head>

<body>
    <form>
        <table style="margin: auto;" id="tab">
            <tr style="text-align: center;">
                <td colspan="2"><button type="button" id="empName" name="empName">Enter  
Emp Name</button>
                    <button type="button" id="sortEmp" name="sortEmp">Sort Emp</button>
                </td>
            </tr>
        </table>
    </form>
    <div id="mdiv" style="padding-left: 40%;"></div>
</body>

</html>

```

**Enter Emp Name**    **Sort Emp**

1 Emp Name : zzzzz

2 Emp Name : bbbbb

3 Emp Name : ddddd

4 Emp Name : aaaa

Sorted [ aaaa bbbbb ddddd zzzzz ]

13. Create an array that holds 4 employee objects and displays each emp detail in a table.  
                     Employee details

could be empid, empname and salary. Use for each loop to inspect all properties of each object

```

<!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>Array of Employee</title>
    <script>

        emp = function (empno, ename, sal) {
            this.empno = empno;
            this.ename = ename;
            this.sal = sal;

```

```

        }

        displayEmp = () => {
            empdata = [(new emp(1000, "shubh", 1000)), (new emp(1001, "sagar", 1100)),
            (new emp(1002, "aam", 1200)), (new emp(1003, "ray", 1300))];
            document.write(`Empno &nbsp;&nbsp;Name &nbsp;&nbsp;Salary<br>`);
            for (e of empdata) {
                document.write(` ${e.empno}&nbsp;&nbsp;&nbsp;${e.ename}&nbsp;&nbsp;&nbsp;${e.sal}
<br>`);
            }
        }

    </script>
</head>
<body onload="displayEmp()">
</body>

</html>

```

Empno	Name	Salary
1000	shubh	1000
1001	sagar	1100
1002	aam	1200
1003	ray	1300

14. Create a custom object for rectangle and circle. Individual Rectangle objects should be able to store dimension, and have methods to print area and perimeter. Individual Circle objects should be able to store radius, and have methods to print area and circumference. Display dimensions, area and perimeter of rectangle and circle objects. Make use of pre-defined objects

```

<!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>
    <script>
        var rectArray = [{ rlength: 10, rbreadth: 5 }, { rlength: 20, rbreadth: 15 }, { rlength: 40, rbreadth: 25 }];
        var circleArray = [{ radius: 20 }, { radius: 30 }, { radius: 40 }, { radius: 50 }];
    
```

```

        function calRecArea(rlength, rbreadth) {
            var recArea = Number(rlength) * Number(rbreadth);
            return recArea.toFixed(2);
        }
    
```

```

        function calCircleArea(radius) {
    
```

### WPT Assignment

```
var circleArea = Math.PI * Math.pow(Number(radius), 2);
return circleArea.toFixed(2);
}

function calRecPerimeter(rlength, rbreadth) {
    var recPerimeter = 2 * (Number(rlength) + Number(rbreadth));
    return recPerimeter.toFixed(2);
}

function calcircleCircumference(radius) {
    var circleCircumference = 2 * Math.PI * Number(radius);
    return circleCircumference.toFixed(2);
}

function displayRectangle() {
    var str1 = "<table class='disptable' style=' border: 2px solid black; border-collapse: collapse; '>" +
        "<tr><th>Length</th><th>Breadth</th><th>Area</th><th>Perimeter</th></tr>";
    for (ob of rectArray) {
        str1 += "<tr><td>" + ob.rlength + "</td><td>" + ob.rbreadth + "</td><td>" +
        calRecArea(ob.rlength, ob.rbreadth) +
        "</td><td>" + calRecPerimeter(ob.rlength, ob.rbreadth) + "</td>" +
        "</tr>";
    }
    str1 += "</table>";
    document.getElementById("mydiv").innerHTML = str1;
}

function displayCircle() {
    var str2 = "<table class='disptable' style=' border: 2px solid black; border-collapse: collapse; '>" +
        "<tr><th>Radius</th><th>Area</th><th>Circumference</th></tr>";
    for (ob of circleArray) {
        str2 += "<tr><td>" + ob.radius + "</td><td>" + calCircleArea(ob.radius) +
        "</td>" +
        "<td>" + calCircleCircumference(ob.radius) + "</td>" + "</tr>";
    }
    str2 += "</table>";
    document.getElementById("mydiv").innerHTML = str2;
}

function addRectInArray() {
    var rlength = parseFloat(document.getElementById("lth").value);
    var rbreadth = parseFloat(document.getElementById("bdh").value);
    if (!isNaN(rlength) && !isNaN(rbreadth)) {
        rectArray.push({ rlength, rbreadth });
        document.getElementById("mydiv").innerHTML = "Rectangle added successfully";
    } else {
        document.getElementById("mydiv").innerHTML = "Invalid Rectangle Parameters";
    }
}
```

```

        }

    }

    function addRectangle() {
        var str3 = "<table id='addshape'><tr><td id='addshape'>Enter Length</td><td id='addshape'><input type='text' id='lth' name='lth' autofocus required></td>" +
                    "</tr><tr><td id='addshape'>Enter Breadth</td><td id='addshape'><input type='text' id='bdh' name='bdh' required></td>" +
                    "<td id='addshape'><button type='button' name='btn4' id='btn4' onclick='addRectInArray()'>Add</button></td></tr>" +
                    "</table>";
        document.getElementById("mydiv").innerHTML = str3;
    }

    function addCircleInArray() {
        var radius = parseFloat(document.getElementById("rad").value);
        if (!isNaN(radius)) {
            circleArray.push({radius});
            document.getElementById("mydiv").innerHTML = "Circle added successfully"
        }
        else {
            document.getElementById("mydiv").innerHTML = "Invalid Circle Parameters"
        }
    }

    function addCircle() {
        var str4 = "<table id='addshape'><tr><td id='addshape'>Enter Radius</td><td id='addshape'><input type='text' name='rad' id='rad'></td>" +
                    "<td id='addshape'><button type='button' name='btn5' id='btn5' onclick='addCircleInArray()'>Add</button></td></tr></table>";
        document.getElementById("mydiv").innerHTML = str4;
    }

</script>
<style>
    .disptable,th,td {
        border: 2px solid black;
        border-collapse: collapse;
        font-size: 100%;
        width: 50%;
        table-layout: fixed;
        text-align: center;
    }

    #addshape {
        border: 0px;
        font-size: 100%;
        width: 50%;
    }
</style>
</head>
<body>
```

### WPT Assignment

```
<button type="button" id="btn1" name="btn1" onclick="displayRectangle()">Display  
Rectangle</button>  
<button type="button" id="btn2" name="btn2" onclick="displayCircle()">Display  
Circle</button><br><br>  
<button type="button" id="btn3" name="btn3" onclick="addRectangle()">Add  
Rectangle</button>  
<button type="button" id="btn6" name="btn6" onclick="addCircle()">Add  
Circle</button><br><br>  
<div id="mydiv">  
  
</div>  
</body>  
  
</html>
```

[Display Rectangle](#) [Display Circle](#)

[Add Rectangle](#) [Add Circle](#)

Length	Breadth	Area	Perimeter
10	5	50.00	30.00
20	15	300.00	70.00
40	25	1000.00	130.00

15. An array contains a set of 5 words. Write Javascript to reverse each word and arrange the resulting words in alphabetical order. Make use of array functions

```
<!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>Reverse Array</title>  
    <script>  
        var arr = ["Orange", "Banana", "Grapes", "Kiwi", "Mango", "Apple"];  
        var newarr = [];  
        reverse = () => {  
            arr.forEach(Element => {  
                str = "";  
                for (var i = Element.length; i >= 0; i--) {  
                    str += Element.charAt(i);  
                }  
                newarr.push(str);  
            })  
            order();  
        }  
    </script>  
</head>  
<body>  
    <h1>Reversed Array</h1>  
    <ul style="list-style-type: none; padding-left: 0;">  
        <li>Original Array:</li>  
        <li>Orange, Banana, Grapes, Kiwi, Mango, Apple</li>  
        <li>Reversed Array:</li>  
        <li>Apple, Mango, Kiwi, Grapes, Banana, Orange</li>  
    </ul>  
</body>
```

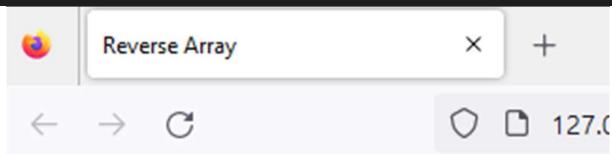
### WPT Assignment

```
order = () => {
    newarr.sort();
    newarr.forEach(Element => document.getElementById("mdiv").innerHTML +=
` ${Element} <br> `);
}

</script>
</head>

<body onload="reverse()">
    <div id="mdiv"></div>
</body>

</html>
```



ananaB  
egnarO  
elppA  
iwiK  
ognam  
separG

16. Say, have an array that holds many web site names. Eg, www.google.com, www.msn.com, www.amazon.co.in, in.answers.yahoo.com, en.m.wikipedia.com, codehs.gitbooks.io, www.coderanch.com etc. Search for all sites that begin with “www” and display the total number of such sites. Eg for above eg, total is 4

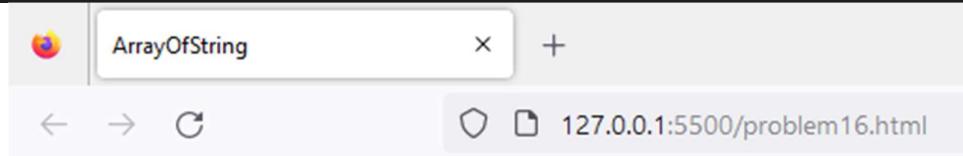
```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>ArrayOfString</title>
    <script>
        var arr = ["www.google.com", "www.msn.com", "codehs.gitbooks.io",
        "eb.m.wikipedia.com", "in.answers.yahoo.com", "www.amazon.co.in", "www.coderanch.com"
    ];

```

```
        filterArr=()=>{
```

### WPT Assignment

```
var count=0;
(arr.filter(Element=>Element.startsWith("www"))).forEach(a=>count++);
document.getElementById("mdiv").innerHTML = `Count : ${count}`
}
</script>
</head>
<body onload="filterArr()">
<div id="mdiv"></div>
</body>
</html>
```



**Count : 4**

17. Create a HTML form that accepts radius and displays the area and circumference of a circle.  
Make use of  
Math object

```
<!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>Circle</title>
    <script src="bootstrap-4.6.2-dist/jquery.js"></script>
    <script>
        $(document).ready(function () {
            $('#btn').click(function () {
                var r = parseFloat($('#radius').val());
                alert(r);
                if (isNaN(r)) {
                    $('#disp').html(`Enter Valid Radius`);
                    return;
                }
                $('#disp').html(`<td style="text-align: center;" colspan="2">
                    Area : ${parseFloat(r*r*Math.PI).toFixed(2)}<br>Circumference :
                    ${parseFloat(2*r*Math.PI).toFixed(2)}</td>`)
            })
        })
    </script>
</head>

<body>
```

### WPT Assignment

```
<table style="margin: auto; border: 2px solid #0070C0;">
    <tr>
        <td>Enter Radius<input type="text" id="radius" name="radius"></td>
    </tr>
    <tr>
        <td colspan="2" style="text-align: center;"> <button type="button" id="btn" name="btn">Display</button></td>
    </tr>
    <tr id="disp"></tr>
</table>
</body>

</html>
```

The screenshot shows a simple HTML form. At the top, there is a text input field with the placeholder "Enter Radius" and a value of "10". Below it is a button labeled "Display". Underneath the button, the calculated "Area : 314.16" and "Circumference : 62.83" are displayed.

18. Create the HTML form given below. Use JS to manipulate strings. Display the output below the button

- 1<sup>st</sup> radio button : search the given sub string (second text box) in main string (first text box)
- 2<sup>nd</sup> & 3<sup>rd</sup> radio button: convert one of the strings to upper/lower case
- 4<sup>th</sup> radio button : trim spaces around first string
- 5<sup>th</sup> radio button : concatenate strings in first and 2<sup>nd</sup> text boxes
- 6<sup>th</sup> radio button : do as shown

```
<!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>String Operations</title>
    <script src="bootstrap-4.6.2-dist/jquery.js"></script>
    <script>
        $(document).ready(function () {
            $('#1').change(function () {
                if ($('#1').is(":checked")) {
                    $('#dispArea').html(`<td style="text-align: right;">Enter SubString
: </td>
                    <td colspan="2"><input type="text" id="substring" name="substring"></td>
                `)
            })
        })
    </script>

```

```

        $('#2').change(function () {
            if ($('#2').is(":checked")) {
                $('#dispArea').html(``)
            }
        })

        $('#3').change(function () {
            if ($('#3').is(":checked")) {
                $('#dispArea').html(``)
            }
        })

        $('#4').change(function () {
            if ($('#4').is(":checked")) {
                $('#dispArea').html(``)
            }
        })

        $('#5').change(function () {
            if ($('#5').is(":checked")) {
                $('#dispArea').html(`<td style="text-align: right;">Enter String
: </td>
<td colspan="2"><input type="text" id="str2" name="str2"></td>`)
            }
        })

        $('#6').change(function () {
            if ($('#6').is(":checked")) {
                $('#dispArea').html(`<td style="text-align: right;">Enter SubString
:<br>Enter Replace Str : </td>
<td colspan="2"><input type="text" id="substring"
name="substring"><br><input type="text" id="replacestr" name="replacestr"></td>`)
            }
        })

        $('#querry').click(function () {
            if ($('#1').is(":checked")) {
                var str = $('#str').val();
                var substring = $('#substring').val();
                if ((str.toUpperCase()).includes(substring.toUpperCase())) {
                    $('#op').html(`<td colspan="6" style="text-align:
center;">${substring} is present in ${str}</td>`)
                }
                else {
                    $('#op').html(`<td colspan="6" style="text-align:
center;">${substring} is not present in ${str}</td>`)
                }
            }

            if ($('#2').is(":checked")) {
                var str = $('#str').val();

```

### WPT Assignment

```
$(`#op`).html(`<td colspan="6" style="text-align: center;">Lower Case`  
: `${str.toUpperCase()}`</td>`)  
}  
  
if ($('#3').is(":checked")) {  
    var str = $('#str').val();  
    $('#op').html(`<td colspan="6" style="text-align: center;">Lower Case`  
: `${str.toLowerCase()}`</td>`)  
}  
  
if ($('#4').is(":checked")) {  
    var str = $('#str').val();  
    $('#op').html(`<td colspan="6" style="text-align: center;">After  
Trimming : ${str.trim()}`</td>`)  
}  
  
if ($('#5').is(":checked")) {  
    var str = $('#str').val();  
    var str2 = $('#str2').val();  
    $('#op').html(`<td colspan="6" style="text-align: center;">After  
Concatenating : ${str.concat(str2)}`</td>`)  
}  
  
if ($('#6').is(":checked")) {  
    var str = $('#str').val();  
    var substring = $('#substring').val();  
    var replacestr = $('#replacestr').val();  
    if (str.includes(substring)) {  
        $('#op').html(`<td colspan="6" style="text-align: center;">After  
Replace : ${str.replace(substring, replacestr)}`</td>`)  
    }  
    else {  
        $('#op').html(`<td colspan="6" style="text-align: center;">${substring} is not present in ${str}`</td>`)  
    }  
}  
  
$('#str').focus();  
})  
})  
</script>  
</head>  
  
<body>  
    <form>  
        <table style="margin: auto;">  
            <tr><td colspan="6" style="text-align: center;"><h3>String  
Operations</h3></td></tr>  
            <tr>  
                <td style="text-align: right;">Enter String : </td>  
                <td colspan="2"><input type="text" id="str" name="str"></td>
```

```

</tr>
<tr id="dispArea"></tr>
<tr>
    <td><input type="radio" id="1" name="strOp">Search Substring in Main
String</td>
    <td><input type="radio" id="2" name="strOp">To Uppercase</td>
    <td><input type="radio" id="3" name="strOp">To Lowercase</td>
    <td><input type="radio" id="4" name="strOp">Trim Spaces</td>
    <td><input type="radio" id="5" name="strOp">Concatenate</td>
    <td><input type="radio" id="6" name="strOp">Replace</td>
</tr>
<tr>
    <td colspan="6" style="text-align: center;"><button type="button"
id="querry">Querry</button></td>
</tr>
<tr id="op"></tr>
</table>
</form>
</body>

</html>

```

## String Operations

Enter String :

Search Substring in Main String  To Uppercase  To Lowercase  Trim Spaces  Concatenate  Replace

Lower Case : "SHUBHAM"

19. Write a program that accepts (from the html form) a positive integer less than 1000 and prints out the sum of the digits of this number.

Enter a +ve no less than 1000: -4

Entered number is out of range

Enter a +ve no less than 1000: 1234

Entered number is out of range

Enter a +ve no less than 1000: 546

Sum of the digits of 546 is 15

```

<!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>Number</title>
    <script src="bootstrap-4.6.2-dist/jquery.js"></script>

```

```

<script>
    $(document).ready(function () {
        $('#btn').click(function () {
            var num = parseInt($('#num').val());
            if (isNaN(num)) {
                $('#dispArea').html(`<td colspan="2" style="text-align: center;">
                    Please Enter Valid Number</td>`)
                return;
            }
            if (num < 0 || num > 1000) {
                $('#dispArea').html(`<td colspan="2" style="text-align: center;">
                    Entered number is out of Range</td>`)
                return;
            }
            var temp = num;
            var sum = 0;
            var r = 0;
            while (temp > 0) {
                r = temp % 10;
                sum += r;
                temp = parseInt(temp / 10);
            }
            $('#dispArea').html(`<td colspan="2" style="text-align: center;">
                Sum of Digits of ${num} is ${sum}</td>`)
            $('#num').focus();
        })
    })
</script>
</head>

<body>
    <form>
        <table style="margin: auto; border: 2px solid black;">
            <tr>
                <td colspan="2" style="text-align: center;">Number Checking</td>
            </tr>
            <tr>
                <td>Enter Number a Positive Number Less than 1000 :&nbsp;</td>
                <td><input type="text" id="num" name="num"></td>
            </tr>
            <tr>
                <td colspan="2" style="text-align: center;"><button type="button" id="btn" name="btn">Check</button>
                </td>
            </tr>
            <tr id="dispArea" style="text-align: center;"></tr>
        </table>
    </form>
</body>

</html>

```

**Number Checking**

Enter Number a Positive Number Less than 1000 :

**Check**

Entered number is out of Range

20. Assume i have an array of member names. Read the array and display all member names as a string delimited by comma all in uppercase

```
<!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>Array Of String</title>
    <script src="bootstrap-4.6.2-dist/jquery.js"></script>
    <script>
        $(document).ready(function () {
            var arr = ["john", "steve", "ben", "damon", "ian"];
            var str = arr.join();
            $('#mdiv').html(str.toUpperCase());
        })
    </script>
    <style>
        table td {
            text-align: center;
        }
    </style>
</head>

<body>
    <table style="margin: auto; border: 2px solid black;">
        <tr>
            <td>
                <h3>Members in my Group are</h3>
            </td>
        </tr>
        <tr>
            <td id="mdiv"></td>
        </tr>
    </table>
</body>
</html>
```

## Members in my Group are

JOHN,STEVE,BEN,DAMON,IAN

21. Assume we have this content in HTML <body>

```
<body>
<h3> Members of my Group are </h3>
<ol id="list">
</ol>
</body>
```

Also assume we have a array of person names (5 names).

Read from array and populate the above list with member names in bullet form.

```
<!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>
    <script src="bootstrap-4.6.2-dist/jquery.js"></script>
    <script>
        $(document).ready(function () {
            var arr = ["john", "steve", "ben", "damon", "ian"];
            var str = "<ol>";
            arr.forEach(Element => str += `<li>${Element}</li>`)
            str += "</ol>";
            $('#mdiv').html(str);
        })
    </script>
</head>

<body>
    <table style="margin: auto; border: 2px solid black;">
        <tr>
            <td style="text-align: center;">
                <h3>Members in my Group are</h3>
            </td>
        </tr>
        <tr>
            <td id="mdiv"></td>
        </tr>
    </table>
</body>
```

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

## Members in my Group are

1. john
2. steve
3. ben
4. damon
5. ian

22. Consider a HTML document made of multiple divs. Search all divs that contain the string "training"

```
<!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>
    <script>
        function searchWord() {
            var i = 1;
            var element = /training/i;
            document.getElementById("result").innerHTML = "";
            while (document.getElementById("div" + i) !== null) {
                var str = document.getElementById("div" + i).innerHTML;
                if (str.search(element) >= 0)
                    document.getElementById("result").innerHTML += "Found in div" + i +
"<br>";
                i++;
            }
        }
    </script>
</head>

<body>
    <button type="button" name="btn1" id="btn1"
    onclick="searchWord()">Search</button><br><br>
    <div id="result">

    </div><br><br>
    <div id="div1">
```

After completion of Army Basic Training Requirements, comes the Advance training that is specific to each

Arms and Services. For infantry, the period is around twenty-six weeks and. Here the recruit is changed into

a young soldier. So the emphasis is on training him to take his place during a rifle section in such a way

that he doesn't become a liability, on joining his unit in actual active duty. In fact, the actual training

of the soldier starts once he joins his unit as Indian Army Training.

</div><br><br>

<div id="div2">

Born and raised in central Argentina, Messi relocated to Spain at the age of 13 to join Barcelona, for whom

he made his competitive debut aged 17 in October 2004. He established himself as an integral player for the

club within the next three years, and in his first uninterrupted season in 2008–09 he helped Barcelona

achieve the first treble in Spanish football; that year, aged 22, Messi won his first Ballon d'Or. Three

successful seasons followed, with Messi winning four consecutive Ballons d'Or, making him the first player

to win the award four times. During the 2011–12 season, he set the La Liga and European records for most

goals scored in a single season, while establishing himself as Barcelona's all-time top scorer. The

following two seasons, Messi finished second for the Ballon d'Or behind Cristiano Ronaldo (his perceived

career rival), before regaining his best form during the 2014–15 campaign, becoming the all-time top scorer

in La Liga and leading Barcelona to a historic second treble, after which he was awarded a fifth Ballon d'Or

in 2015. Messi assumed captaincy of Barcelona in 2018, and in 2019 he won a record sixth Ballon d'Or. Out of

contract, he signed for Paris Saint-Germain in August 2021.

</div><br><br>

<div id="div3">

Domestically, Barcelona has won a record 75 trophies: 26 La Liga, 31 Copa del Rey, thirteen Supercopa de

España, three Copa Eva Duarte, and two Copa de la Liga titles, as well as being the record holder for the

latter four competitions. In international club football, the club has won 22 European and worldwide titles:

five UEFA Champions League titles, a record four UEFA Cup Winners' Cups, a joint record five UEFA Super

Cups, a record three Inter-Cities Fairs Cups, a joint record two Latin Cups and three FIFA Club World

Cups.[5] Barcelona was ranked first in the International Federation of Football History & Statistics Club

World Ranking for 1997, 2009, 2011, 2012 and 2015, and occupies the sixth position on the UEFA club rankings

## WPT Assignment

```
as of July 2022.[6][7][8] The club has a long-standing rivalry with Real Madrid,  
and matches between the two  
teams are referred to as El Clásico.  
</div><br><br>

The Army Training Command was established on 1 October 1991 at Mhow in Madhya Pradesh and moved to Shimla on 31 March 1993.[2] The main aim of the command is to maximize effectiveness of the training.[3]<br><br>In 2019, it was decided to merge the Directorate General of Military Training (DGMT) with ARTRAC.[4] DGMT runs the Rashtriya Military Schools (RMS).[5]</div><br><br>



</body>



</html>


```

Found in div1  
Found in div4

After completion of Army Basic Training Requirements, comes the Advance training that is specific to each Arms and Services. For infantry, the period is around twenty-six weeks and. Here the recruit is changed into a young soldier. So the emphasis is on training him to take his place during a rifle section in such a way that he doesn't become a liability, on joining his unit in actual active duty. In fact, the actual training of the soldier starts once he joins his unit as Indian Army Training.

Born and raised in central Argentina, Messi relocated to Spain at the age of 13 to join Barcelona, for whom he made his competitive debut aged 17 in October 2004. He established himself as an integral player for the club within the next three years, and in his first uninterrupted season in 2008–09 he helped Barcelona achieve the first treble in Spanish football; that year, aged 22, Messi won his first Ballon d'Or. Three successful seasons followed, with Messi winning four consecutive Ballons d'Or, making him the first player to win the award four times. During the 2011–12 season, he set the La Liga and European records for most goals scored in a single season, while establishing himself as Barcelona's all-time top scorer. The following two seasons, Messi finished second for the Ballon d'Or behind Cristiano Ronaldo (his perceived career rival), before regaining his best form during the 2014–15 campaign, becoming the all-time top scorer in La Liga and leading Barcelona to a historic second treble, after which he was awarded a fifth Ballon d'Or in 2015. Messi assumed captaincy of Barcelona in 2018, and in 2019 he won a record sixth Ballon d'Or. Out of contract, he signed for Paris Saint-Germain in August 2021.

Domestically, Barcelona has won a record 75 trophies: 26 La Liga, 31 Copa del Rey, thirteen Supercopa de España, three Copa Eva Duarte, and two Copa de la Liga titles, as well as being the record holder for the latter four competitions. In international club football, the club has won 22 European and worldwide titles: five UEFA Champions League titles, a record four UEFA Cup Winners' Cups, a joint record five UEFA Super Cups, a record three Inter-Cities Fairs Cups, a joint record two Latin Cups and three FIFA Club World Cups.[5] Barcelona was ranked first in the International Federation of Football History & Statistics Club World Ranking for 1997, 2009, 2011, 2012 and 2015, and occupies the sixth position on the UEFA club rankings as of July 2022.[6][7][8] The club has a long-standing rivalry with Real Madrid, and matches between the two teams are referred to as El Clásico.

The Army Training Command was established on 1 October 1991 at Mhow in Madhya Pradesh and moved to Shimla on 31 March 1993.[2] The main aim of the command is to maximize effectiveness of the training.[3]

### 23. Problem statement-2 : Payment calculator

Create a following web page and calculate Payment Information based on Loan Information.

Validate

Loan information textfields for numbers and Payment Information textfields should be uneditable.

The

other constraints are as follows :

- Amount of Loan should not be more than 15 lakhs.
- Repayment period should be between 7 yrs to 15 yrs

```
<!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>Payment Calculator</title>  
    <style>
```

```

.title {
    text-align: center;
}
</style>
<script src="bootstrap-4.6.2-dist/jquery.js"></script>
<script>
$(document).ready(function () {
    $('#calulate').click(function () {
        var principal = parseInt($('#principal').val())
        var rate = parseFloat($('#rate').val())
        var time = parseFloat($('#time').val())
        if (isNaN(principal) || isNaN(rate) || isNaN(time)) {
            alert("Please Enter Valid Details");
            return;
        }
        if (principal > 1500000) {
            alert("Amount of Loan Should be Less than 15 Lakh");
            return;
        }
        if (time < 7 || time > 15) {
            alert("Repayment Time Should be Between 7 and 15");
            return;
        }
        rate = ((rate / 12) / 100);
        var mul = Math.pow((1 + rate), (time * 12));
        var emi = ((principal * rate * mul) / (mul - 1));
        var amount = emi * time * 12;
        $('#emi').val(parseFloat(emi).toFixed(2));
        $('#amount').val(parseFloat(amount).toFixed(2));
        $('#interest').val(parseFloat(amount - principal).toFixed(2));
        $('#principal').focus();
    })
})
</script>
</head>

<body>
<form>
<table style="margin: auto; border: 2px solid black;">
    <tr>
        <td colspan="2" class="tittle"><b>Enter Loan Information</b></td>
    </tr>
    <tr>
        <td>1) Amount of the Loan(any Currency) :&nbsp;</td>
        <td><input type="text" id="principal" name="principal"></td>
    </tr>
    <tr>
        <td>2) Annual Percentage Rate of Interest :&nbsp;</td>
        <td><input type="text" id="rate" name="rate"></td>
    </tr>
    <tr>
        <td>3) Repayment period in Years :&nbsp;</td>
    </tr>
</table>
</form>

```

### WPT Assignment

```
<td><input type="text" id="time" name="time"></td>
</tr>
<tr>
    <td colspan="2" class="tittle"><button type="button" id="calulate" name="calulate">Compute</button></td>
</tr>
<tr>
    <td colspan="2" class="tittle"><b>Payment Information</b></td>
</tr>
<tr>
    <td>4) Your Monthly Payment will be :&nbsp</td>
    <td><input type="text" id="emi" name="emi" readonly></td>
</tr>
<tr>
    <td>5) Your Total Payment will Be :&nbsp</td>
    <td><input type="text" id="amount" name="amount" readonly></td>
</tr>
<tr>
    <td>6) Your Total Interest Payment Will Be :&nbsp</td>
    <td><input type="text" id="interest" name="interest" readonly></td>
</tr>
</table>
</form>
</body>

</html>
```

<b>Enter Loan Information</b>	
1) Amount of the Loan(any Currency) :	<input type="text" value="10000"/>
2) Annual Percentage Rate of Interest :	<input type="text" value="8"/>
3) Repayment period in Years :	<input type="text" value="10"/>
<b>Compute</b>	
<b>Payment Information</b>	
4) Your Monthly Payment will be :	<input type="text" value="121.33"/>
5) Your Total Payment will Be :	<input type="text" value="14559.31"/>
6) Your Total Interest Payment Will Be :	<input type="text" value="4559.31"/>

24. Create a Login.html page that accepts username and password. Following are the validations required:

- Both fields are mandatory

- Username must be between 6 to 10 characters, all alphabetic.
- Password should be greater than 8 characters, must contain a # and atleast one digit.

```

<!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>Login Page</title>
    <script src="bootstrap-4.6.2-dist/jquery.js"></script>
    <script>
        $(document).ready(function () {
            $('#login').click(function () {
                var ps = $('#password').val().trim();
                var psreg = /^(?=.*\d)(?=.*[!@#$%^&*])(?=.*[a-z])(?=.*[A-Z]).{8,}$/;
                var username = $('#username').val().trim();
                var unreg = /^[A-Za-z]+$/;
                if (username.length < 6 || (username.length) >= 10 || !unreg.test(username)) {
                    alert("Please Enter Valid Username");
                    return;
                }
                if (!psreg.test(ps) || (ps.length) < 8) {
                    alert("Please Enter Valid Password");
                    return;
                }
                alert("Login Successfull");
            })
        })
    </script>
</head>

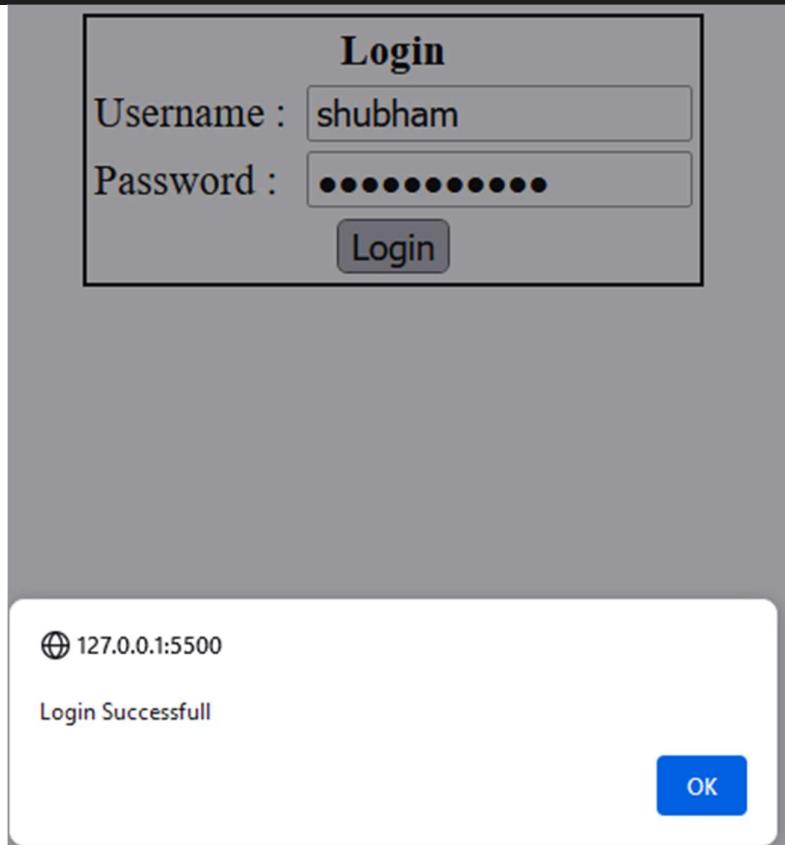
<body>
    <form>
        <table style="margin: auto; border: 2px solid black;">
            <tr>
                <td colspan="2" style="text-align: center;"><b>Login</b></td>
            </tr>
            <tr>
                <td>Username :&nbsp;</td>
                <td><input type="text" id="username" name="username" required minlength="6" maxlength="10"></td>
            </tr>
            <tr>
                <td>Password :&nbsp;</td>
                <!-- <td><input type="text" id="password" name="password" required pattern=".*\d+[a-zA-Z]*"></td> -->
                <td><input type="password" id="password" name="password" required></td>
            </tr>
            <tr>

```

### WPT Assignment

```
<td colspan="2" style="text-align: center;"><button type="button" id="login">Login</button></td>
</tr>
</table>
</form>
</body>

</html>
```



25. Create a HTML page that accepts order details:

Following are validations required:

- All fields are mandatory
- Cust name must be greater than 5 characters.
- Billing date must be lesser than shipping date

If all goes well, display as follows; On clicking the display button, all form information must be saved into an

Order object. The details of this object must be displayed in a new window in a neat tabular fashion(hint : use

window.open())

```
<!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>Order Summary</title>
<script src="bootstrap-4.6.2-dist/jquery.js"></script>
<script>
$(document).ready(function () {
    $('#btn').click(function () {
        var oId = parseInt($('#oId').val());
        if (isNaN(oId)) {
            alert("Invalid Order Id")
            return;
        }
        var oName = $('#oName').val();
        var oBDate = new Date($('#oBDate').val());
        if (isNaN(oBDate)) {
            alert("Invalid Billing Date")
            return;
        }
        var oSDate = new Date($('#oSDate').val());
        if (isNaN(oSDate)) {
            alert("Invalid Shipping Date")
            return;
        }
        var oPrice = parseInt($('#oPrice').val());
        if (isNaN(oPrice)) {
            alert("Invalid Price")
            return;
        }

        $('#nameerr').html(``);
        $('#bdateerr').html(``);

        if (oName.length < 6) {
            $('#nameerr').html(`Customer Name Cannot be Less than 6 Characters`);
            return;
        }

        if (oBDate > oSDate) {
            $('#bdateerr').html(`Billing date Cannot be Greater than Shipping Date`);
            return;
        }

        var orderObj = { orderId: oId, orderName: oName, orderBillDate: oBDate,
orderShipDate: oSDate, orderPrice: oPrice };
        newwidow = window.open();
        newwidow.document.write(`<p>Order ID : ${orderObj.orderId}<br>
Customer Name : ${orderObj.orderName}<br>Billing Date :
${orderObj.orderBillDate.toDateString()}
<br>Shipping Date : ${orderObj.orderShipDate.toDateString()}<br>
Order Total : ${orderObj.orderPrice}</p>`);
    })
})

```

```

</script>
<style>
    span {
        color: red;
    }
</style>
</head>

<body>
    <form>
        <p>Order ID : <input type="text" id="oId" required></p>
        <p>Customer Name : <input type="text" id="oName" required>&nbsp;<span
id="nameerr"></span></p>
        <p>Enter Billing Date : <input type="date" id="oBDate" required>&nbsp;<span
id="bdateerr"></span></p>
        <p>Enter Shipping Date : <input type="date" id="oSDate" required></p>
        <p>Order Total : <input type="text" id="oPrice" required></p>
        <p><button type="button" id="btn" name="btn">Display</button></p>
    </form>
</body>

</html>

```

Order ID :

Customer Name :

Customer Name Cannot be Less than 6 Characters

Enter Billing Date :

Enter Shipping Date :

Order Total :

26. Create a HTML page that will display the following form and on clicking the button, the details will be listed as shown. Also create an object with all details from form, show them in new window thru the newly created object. Replace with HTML5 elements wherever possible.

The following requirements must be met:

- Name: Required, only alphabets allowed, maximum length is 10.
- Lucky number: Required, must be of 4 digits.
- All other fields are mandatory

```

<!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>
    <script>

        var months = ["January", "February", "March", "April", "May", "June", "July",
"August", "September", "October", "November", "December"];
        var selectMonth;
        var leapYearDate;

        function fetchLeapYear(event) {
            leapYearDate = event.target.value;
            if (leapYearDate == 29) {
                str3 = "<select name='byear' id='byear'>"
                for (var i = 1950; i <= 2022; i++) {
                    if (i % 400 == 0) {
                        str3 += "<option value='" + i + "'>" + i + "</option>";
                    }
                    else if (i % 4 == 0 && i % 100 != 0) {
                        str3 += "<option value='" + i + "'>" + i + "</option>";
                    }
                }
                str3 += "</select>"
                document.getElementById("byr").innerHTML = str3;
                return;
            }
            else {
                str3 = "<select name='byear' id='byear'>"
                for (var i = 1950; i <= 2022; i++) {
                    str3 += "<option value='" + i + "'>" + i + "</option>";
                }
                str3 += "</select>"
                document.getElementById("byr").innerHTML = str3;
            }
        }

        function fetchMonth(event) {
            selectMonth = event.target.value;
            console.log(selectMonth);
            if ((selectMonth.localeCompare(months[1])) == 0) {
                str = "<select name='birdate' id='birdate' onchange='fetchLeapYear(event)'>";
                for (var i = 1; i <= 29; i++) {
                    str += "<option value='" + i + "'>" + i + "</option>";
                }
                str += "</select>"
                document.getElementById("bdt").innerHTML = str;
                return;
            }
            if ((selectMonth.localeCompare(months[0]) == 0) ||
                (selectMonth.localeCompare(months[2]) == 0))

```

### WPT Assignment

```
    || (selectMonth.localeCompare(months[4]) == 0) ||
(selectMonth.localeCompare(months[6]) == 0)
    || (selectMonth.localeCompare(months[7]) == 0) ||
(selectMonth.localeCompare(months[9]) == 0)
    || (selectMonth.localeCompare(months[11]) == 0)) {
    str = "<select name='birthdate' id='birthdate'>";
    for (var i = 1; i <= 31; i++) {
        str += "<option value='" + i + "'>" + i + "</option>"
    }
    str += "</select>"
    document.getElementById("bdt").innerHTML = str;

    str3 = "<select name='byear' id='byear'>"
    for (var i = 1950; i <= 2022; i++) {
        str3 += "<option value='" + i + "'>" + i + "</option>"
    }
    str3 += "</select>"
    document.getElementById("byr").innerHTML = str3;

    return;
}
else {
    str = "<select name='birthdate' id='birthdate'>";
    for (var i = 1; i <= 30; i++) {
        str += "<option value='" + i + "'>" + i + "</option>"
    }
    str += "</select>"
    document.getElementById("bdt").innerHTML = str;

    str3 = "<select name='byear' id='byear'>"
    for (var i = 1950; i <= 2022; i++) {
        str3 += "<option value='" + i + "'>" + i + "</option>"
    }
    str3 += "</select>"
    document.getElementById("byr").innerHTML = str3;
}
}

function dropDownDate() {
    var str = "";

    str = "<select name='birthdate' id='birthdate'>";
    for (var i = 1; i <= 31; i++) {
        str += "<option value='" + i + "'>" + i + "</option>"
    }
    str += "</select>"
    document.getElementById("bdt").innerHTML = str;

    str2 = "<select name='bmonth' id='bmonth' onchange=fetchMonth(event)>";
    for (var i = 0; i < months.length; i++) {
        str2 += "<option value='" + months[i] + "'>" + months[i] + "</option>"
    }
}
```

```

str2 += "</select>"  

document.getElementById("bmth").innerHTML = str2;  
  

str3 = "<select name='byear' id='byear'>"  

for (var i = 1950; i <= 2022; i++) {  

    str3 += "<option value='" + i + "'>" + i + "</option>"  

}  

str3 += "</select>"  

document.getElementById("byr").innerHTML = str3;  

}  
  

function displayData() {  

    var showstr = "";  

    var bmonth = (document.getElementById("bmonth").value).substr(0, 3);  

    var bdate = document.getElementById("birdate").value;  

    var byear = document.getElementById("byear").value;  

    var gender;  

    var genderarr = document.getElementsByName("gender");  

    var luckynum = parseInt(document.getElementById("num").value);  

    var favfoods = document.getElementsByName("foods");  

    var favfood = "";  
  

    if(isNaN(luckynum)){  

        document.getElementById("numdiv").innerHTML = "Invalid Lucky Number"  

        return;  

    }  
  

    if(luckynum>100){  

        document.getElementById("numdiv").innerHTML = "Lucky Number should be  

between 1-100"  

        return;  

    }  
  

    for (var ob of genderarr) {  

        if (ob.checked) {  

            gender = ob.value;  

        }
    }  
  

    for (var ob of favfoods) {  

        if (ob.checked) {  

            favfood += ob.value + " ";
        }
    }  
  

    showstr += "You Entered:<br>Name: " + document.getElementById("name").value +  

"<br>Birth Date: " + bmonth + "/" + bdate + "/" + byear +  

" <br>Email: " + document.getElementById("email").value + "<br>Gender: " +  

gender + "<br>Lucky Number: " + luckynum +  

" <br>Favourite Food: " + favfood;  
  

    var newWindow = window.open();
}

```

### WPT Assignment

```
newWindow.document.write(showstr);
}

</script>
</head>

<body onload="dropDownDate()">
<form>
    <table>
        <tr>
            <td><label>Name: </label></td>
            <td colspan="3"><input type="text" name="name" id="name" maxlength="10" pattern="[A-Za-z]{6,10} required autofocus></td>
        </tr>
        <tr>
            <td colspan="1"><label>Birth Date: </label></td>
            <td id="bmth"></td>
            <td id="bdt"></td>
            <td id="byr"></td>
        </tr>
        <tr>
            <td><label>Email: </label></td>
            <td colspan="3"><input type="text" name="email" id="email" pattern=". *@.*[.com]$" required></td>
        </tr>
        <tr>
            <td rowspan="2"><label>Gender: </label></td>
            <td colspan="3"><input type="radio" name="gender" id="male" value="Male" <label for="male">Male</label></td>
        </tr>
        <tr>
            <td colspan="3"><input type="radio" name="gender" id="female" value="Female">
                <label for="female">Female</label></td>
        </tr>
        <tr>
            <td><label>Lucky number: </label></td>
            <td colspan="3"><input type="text" name="num" id="num" pattern="[0-9]{1,3}" maxlength="3" required></td>
            <td id="numdiv"></td>
        </tr>
        <tr>
            <td rowspan="3"><label>Favourite Foods: </label></td>
            <td colspan="3"><input type="checkbox" name="foods" id="Pizza" value="Pizza">Pizza</td>
        </tr>
        <tr>
            <td colspan="3"><input type="checkbox" name="foods" id="Pasta" value="Pasta">Pasta</td>
        </tr>
        <tr>
```

### WPT Assignment

```
<td colspan="3"><input type="checkbox" name="foods" id="Chinese" value="Chinese">Chinese</td>
</tr>
<tr>
    <td><button type="button" name="btn" id="btn" onclick="displayData()">Submit</button></td>
</tr>

</table>

</form>
<div id="mydiv">

</div>

</body>

</html>
```

Name:

Birth Date:

Email:

Gender:

Male

Female

Lucky number:

Pizza

Favourite Foods:  Pasta

Chinese

You Entered:

Name: Shubh

Birth Date: Feb/29/1996

Email: gudekarshubham@gmail.com

Gender: Male

Lucky Number: 16

Favourite Food: Pizza Pasta