***GRAPHIC ERA DEEMED TO BE UNIVERSITY***



***SESSION 2022-23***

Web Development Lab

**( PCS 693 )**

  Submitted To:             Submitted To: Submitted By:

  Mr.  Ankit Tomar Sir Mr. Ashwini Kumar Harsh Agarwal

Department of CSE F 34

2014672

6th

B.Tech (CSE)

**Index**

|  |  |  |  |
| --- | --- | --- | --- |
| **S.No** | **Program** | **Date** | **Sign.** |
| 1 | Create a simple admission form for university admission |  |  |
| 2 | Write a simple HTML Script to make your Time Table |  |  |
| 3 | WAP in HTML to implement a frame. |  |  |
| 4 | WAP in HTML to implement a table |  |  |
| 5 | Write a JavaScript function to check whether an `input` is an integer or not. |  |  |
| 6 | . write a java script function to move a circle from top to bottom with 50 px; |  |  |
| 7 | Write a JavaScript program to draw the following diagram [use moveto() function]. |  |  |
| 8 | Write a JavaScript program to calculate the volume of cube using form. |  |  |
| 9 | Write a JavaScript for loop that will iterate from 0 to 100. For each iteration, it will check if the current number is perfect square or not, and display a message to the screen/console. |  |  |
| 10 | Write a JavaScript function to check whether a given value is an valid password & mail-id or not. |  |  |

1. **Create a simple admission form for the university admission.**

<!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 Page</title>

    </head>

    <body bgcolor="grey">

    <br>

    <br>

    <form>

    <label> Firstname </label>

    <input type="text" name="firstname" size="15"/> <br> <br>

    <label> Middlename: </label>

    <input type="text" name="middlename" size="15"/> <br> <br>

    <label> Lastname: </label>

    <input type="text" name="lastname" size="15"/> <br> <br>

    <label>

    Course :

    </label>

    <select>

    <option value="Select One">Select One</option>

    <option value="BCA">BCA</option>

    <option value="BBA">BBA</option>

    <option value="B.Tech">B.Tech</option>

    <option value="MBA">MBA</option>

<option value="MCA">MCA</option>

<option value="M.Tech">M.Tech</option>

</select>

<br>

<br>

<label>

Gender :

</label><br>

<input type="radio"  name="gender"/> Male <br>

<input type="radio" name="gender"/> Female <br>

<input type="radio" name="gender"/> Other

<br>

<br>

<label>

Phone :

</label>

<input type="text" name="country code"  value="+91" size="1"/>

<input type="text" name="phone" size="20"/> <br> <br>

Address

<br>

<textarea cols="80" rows="5" value="address">

</textarea>

<br> <br>

Email:

<input type="email" id="email" name="email"/> <br>

<br> <br>

Password:

<input type="Password" id="pass" name="pass"> <br>

<br> <br>

Re-type password:

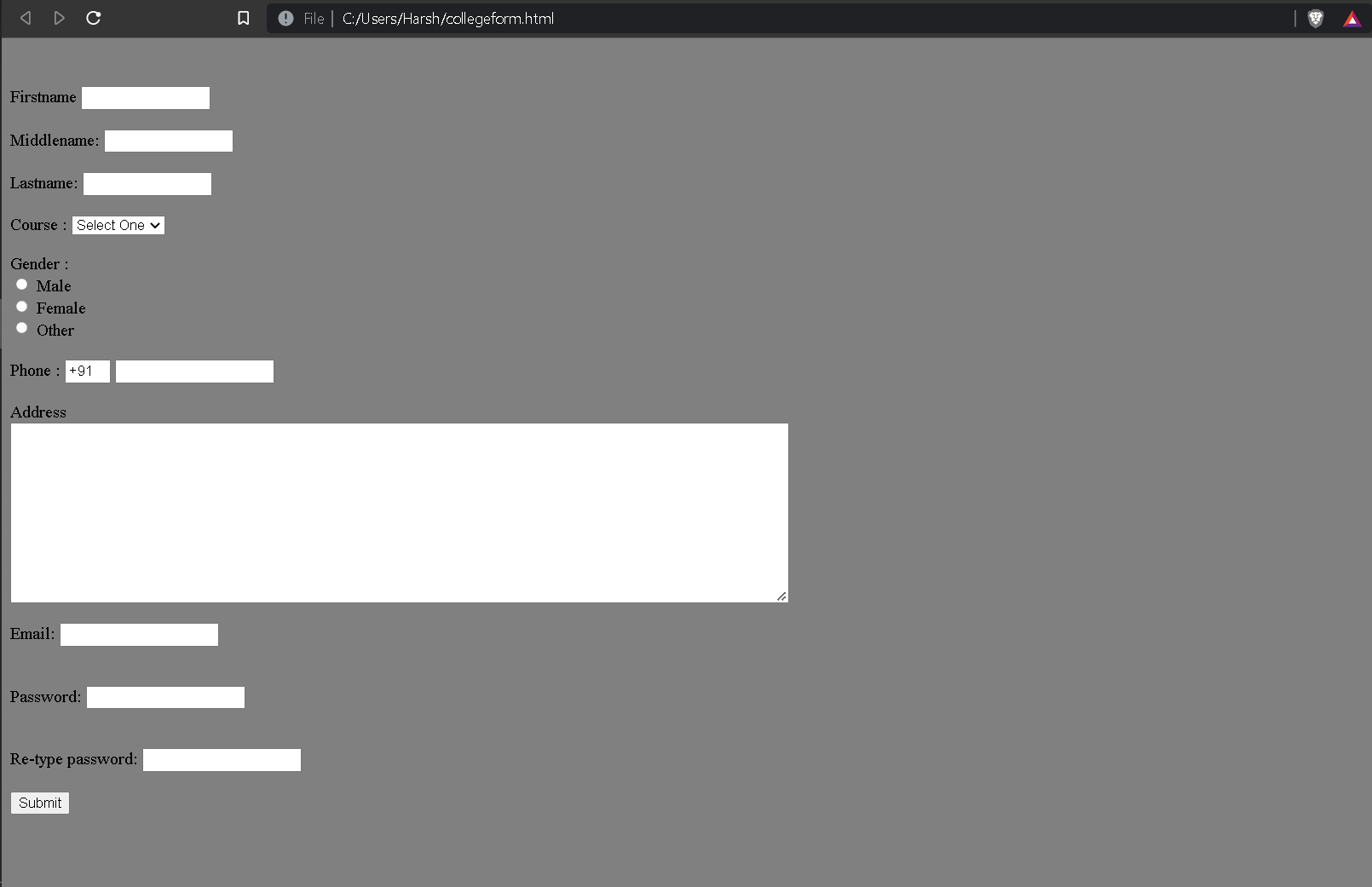
<input type="Password" id="repass" name="repass"> <br> <br>

<input type="button" value="Submit"/>

</form>

</body>

</html>



1. **Write a simple HTML Script to make your Time Table**

<!DOCTYPE html>

<html lang="en">

 <head>

 <title>Timetable</title>

 <style>

 H1{

 text-align: center;

 }

 table,th,td{

 border: 1px solid; text-align: center; margin-left: 5em

 }

 table{

 width: 90%;

 background-color: black;

 }

 th,td{

 background-color: white;

 }

 .wbd{

 background-color: #f70df7;

 }

 .cd{

 background-color: #fffc52;

 }

 .cn{

 background-color: #0dee33;

 }

 .elective{

 background-color: #0fe5f5;

 }

 .xcs{

 background-color: #d3d3d3bb;

 }

 .se{

 background-color: #f11010;

 }

 </style>

 </head>

 <body>

 <h1><u>Time Table</u></h1>

 <table>

 <tr>

 <td>&nbsp;

 </td>

 <th>09:00 - 09:55</th>

 <th>09:55 - 10:50</th>

 <th>11:10 - 12:05</th>

 <th>12:05 - 13:00</th>

 <th>13:00 - 13:55</th>

 <th>13:55 - 14:50</th>

 <th>15:10 - 16:05</th>

 <th>16:05 - 17:00</th> </tr>

 <tr>

 <th>MON</th>

 <td class= "cd">TCS-601<br><b>Seminar Hall</b></td>

 <td class= "wbd"><b>TCS-693</b></td>

 <td colspan="2"class= "xcs">Software Engineering Lab<br><b>Digital Lab 1</b></td>

 <td><b>Lunch</b></td>

 <td class="cn">TCS-604</td>

 <td class= "xcs" colspan="2">Career Excellence Classes<br>(CEC) LT-1</td>

 </tr> <tr>

 <th>TUS</th>

 <td class= "wbd"><b>TCS-693</b></td>

 <td class= "cd"><b>TCS-601</b></td>

 <td class= "elective">TCS-691 (<b>LT-09</b>)/<br>TCS-651 (<b>LT- 08 </b>)/<br>TCS-619

(<b>LT-02</b>)/<br></td>

 <td class= "cn"><b>TCS-604</b></td> <td>Lunch</td>

 <td>LIB</td>

 <td class= "xcs" colspan= "2"><b>Carrer Excellence Classes</b><br><b>(CEC) LT-1</b></td> </tr>

 <tr>

 <th>WED</th>

 <td class= "xcs"><b>XCS-601 (Quant)</b></td>

 <td class= "cn"><b>TCS-604</b></td>

 <td class="xcs">XCS-601 (Soft Skills)<br><b>Digital Lab-1</b></td>

 <td class="se"><b>TCS-602</b><br><b>LT-06</b></td>

 <td><b>Lunch</b></td>

 <td class="wbd"><b>TCS-693</b></td>

 <td class= "xcs" colspan="2"><b>Career Excellence Classes<br>CEC (LT-1)</b></td>

 </tr> <tr>

 <th>THU</th>

 <td colspan="2">Web Development Lab<br><b>Param Ground Floor</b></td>

 <td class="cd">TCS-601<br>CR-2<b></b></td>

 <td class="xcs"><b>XCS-601<br>Verbal</b></td><td>Lunch</td><td>Library</td>

 <td class= "xcs" colspan="2"><b>Carrer Excellence Classes</b><br><b>(CEC) LT-1</b></td>

 </tr> <tr>

 <th>FRI</th>

 <td class= "elective">TCS-691 (<b>LT-09</b>)/<br>TCS-651 (<b>LT-08 </b>)/<br>TCS-619

(<b>LT-02</b>)/<br></td>

 <td class= "elective">TCS-691 (<b>LT-09</b>)/<br>TCS-651 (<b>LT- 08 </b>)/<br>TCS-619

(<b>LT-02</b>)/<br></td>

 <td colspan="2" >Compiler Design Lab<br><b>Param Ground Floor</b></td> <td>Lunch</td>

 <td>Library</td>

 <td class= "xcs" colspan="2"><b>Carrer Excellence Classes</b><br><b>(CEC) LT-1</b></td> </tr>

 </table> <br><br>

 <table> <tr>

 <th>Subject Code</th> <th>Subject Name</th> <th>Faculty</th>

 </tr>

 <tr>

 <th>TCS-601</th> <th>Compiler Design</th> <td>Dr. Aditya Pai</td>

 </tr>

 <tr>

 <th>TCS-602</th> <th>Software Engineering</th> <td>Dr. Jyoti Agarwal</td>

 </tr> <tr>

 <th>TCS-604</th> <th>Computer Networks-I</th> <td>Ms. Vishu Tyagi</td>

 </tr> <tr>

 <th>TCS-693</th>

 <th>Full Stack Web Development</th> <td>Mr. Ashwini Kumar</td>

 </tr> <tr>

 <th>XCS-601</th>

 <td>Career Skills<br><b>(QAR/PDP/Soft Skills-PDP)</b></td>

 <td>Mr. Saurabh Rawat/Mr. Okesh Chabbra/<br>Mr. Gopal Krishna Dwivedi</td>

 </tr>

 <th colspan="3">Elective</th>

 <tr>

 <th>TCS-691</th>

 <th>Image Processing and Computer Vision</th>

 <td><b>G1</b>- Dr. Manoj Diwakar <br><b>G2</b>- Dr. Vishan Gupta</td>

 </tr> <tr>

 <th>TCS-651</th> <th>Devops on cloud</th> <td>Dr. Vijay Singh</td>

 </tr> <tr>

 <th>TCS-619</th>

 <th>Network and System Security</th>

 <td><b>G1</b>- Dr. Mohammed Wazid<br><b>G2</b>- Dr. Priya Matta</td>

 </tr>

 <th colspan="3">Lab</th> <tr>

 <th>PCS-601</th> <th>Compiler Design Lab</th> <td>Dr. Aditya Pai</td>

 </tr>

 <tr>

 <th>PCS-602</th>

 <th>Software Engineering Lab</th> <td>Dr. Surendra Shukla</td>

 </tr> <tr>

 <th>PCS-693</th>

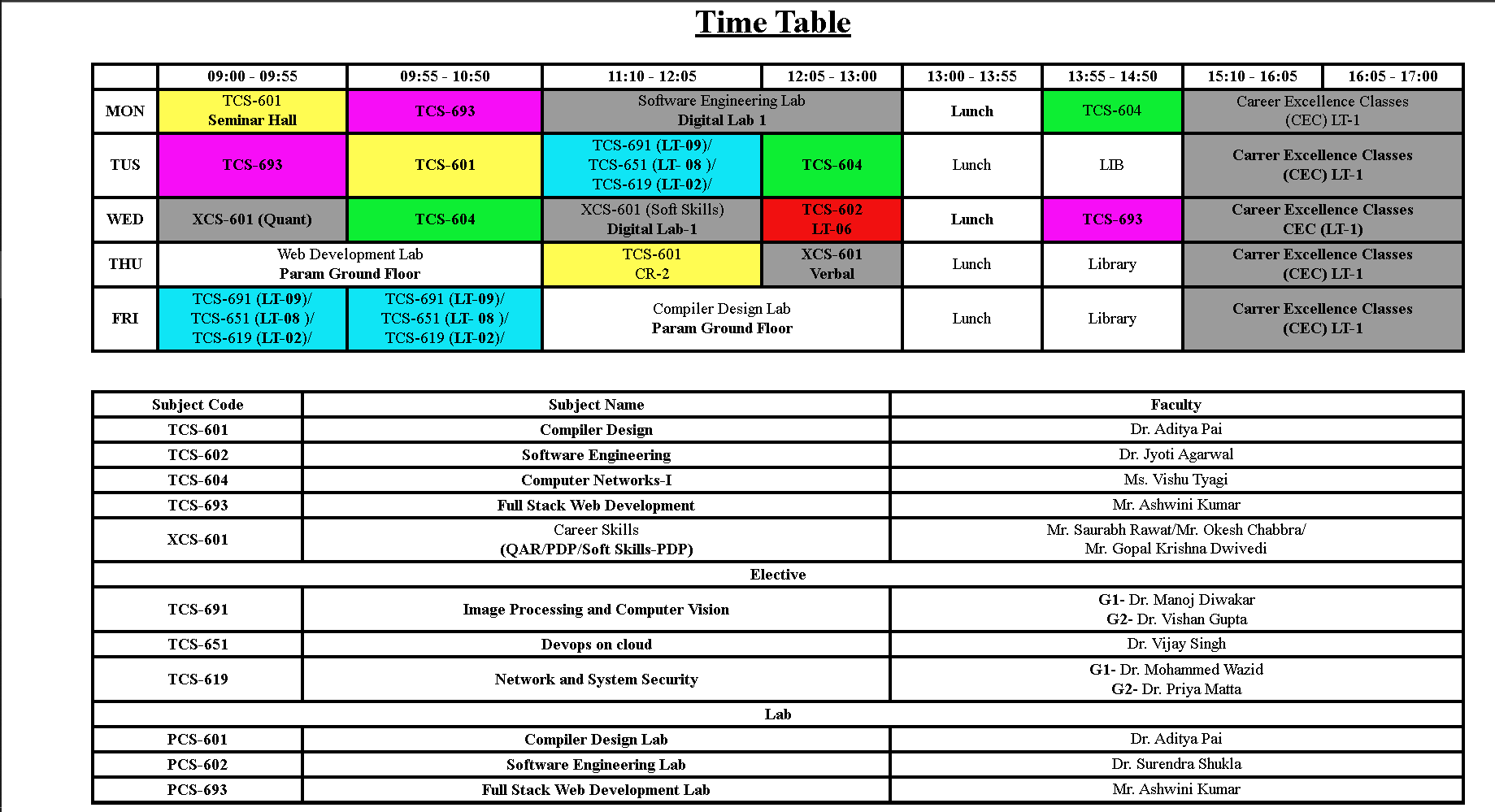
 <th>Full Stack Web Development Lab</th> <td>Mr. Ashwini Kumar</td>

 </tr>

</table>

 </body>

 </html



1. WAP in HTML to implement a frame

<html>

 <head>

 <title>HTML Frames</title>

 </head>

 <frameset rows = "10%,80%,10%">

 <frame name = "top" src = "/html/top\_frame.htm" />

 <frame name = "main" src = "/html/main\_frame.htm" />

 <frame name = "bottom" src = "/html/bottom\_frame.htm" />

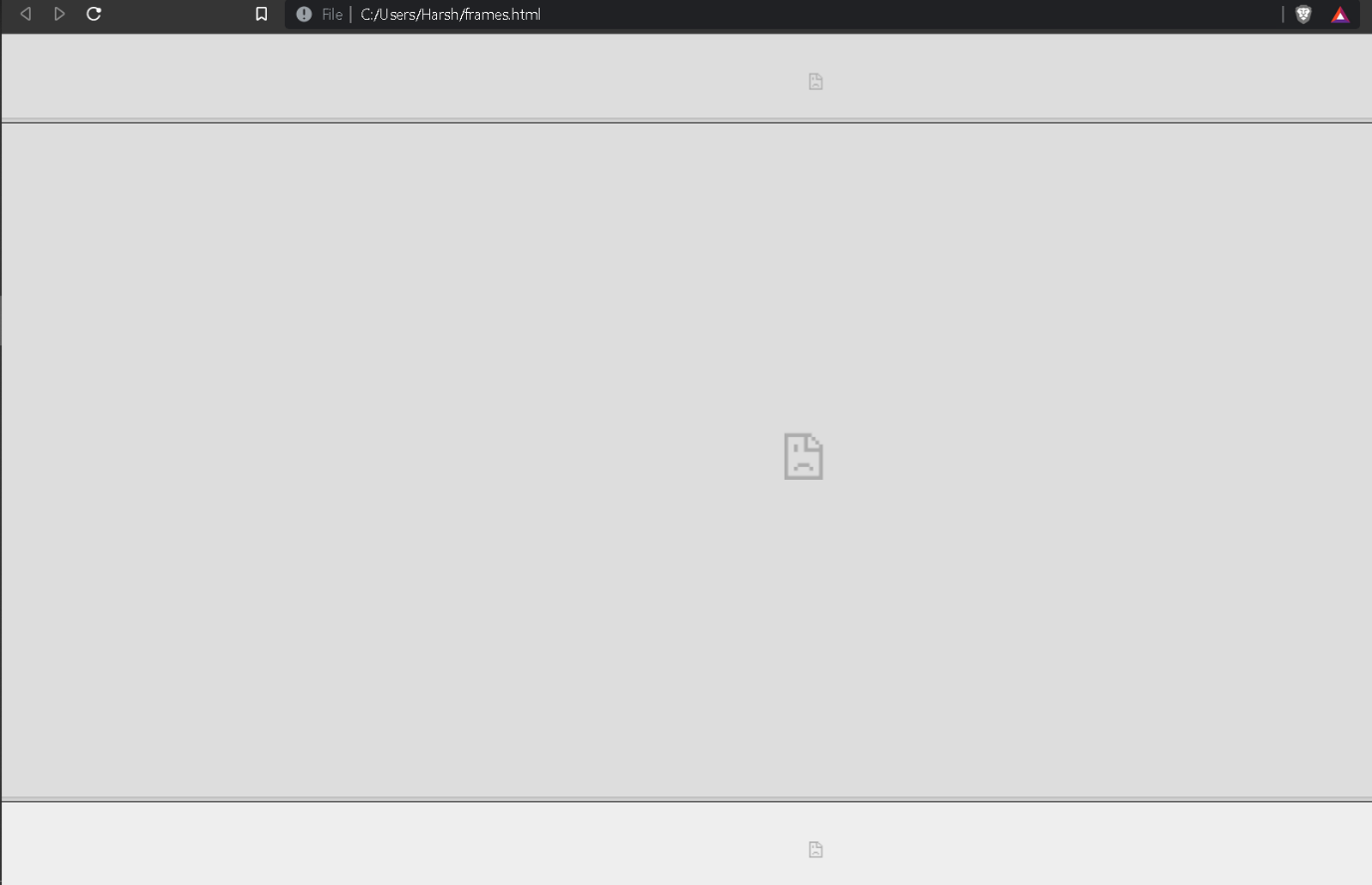
 <noframes>

 <body>Your browser does not support frames.</body>

 </noframes>

 </frameset>

</html>



1. WAP in HTML to implement a table.

<!DOCTYPE html>

<html>

<head>

    <meta charset="utf-8">

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

    <title></title>

</head>

<body>

<table border=1>

  <tr>

    <th rowspan=3>Day</th>

    <th colspan=3>Seminar</th>

  </tr>

  <tr>

    <th colspan=2>Schedule</th>

    <th rowspan=2>Topic</th>

  </tr>

  <tr>

    <th>Begin</th>

    <th>End</th>

  </tr>

  <tr>

    <td rowspan=2>Monday</td>

    <td style="background-color: #F8F6D1;" rowspan=2>8:00 a.m.</td>

    <td style="background-color:#BFB4F8;" rowspan=2>5:00 p.m.</td>

    <td>Introduction to XML</td>

  </tr>

  <tr>

    <td>Validity: DTD and Relax NG</td>

  </tr>

  <tr>

    <td rowspan=6>Tuesday</td>

    <td style="background-color: #F8F6D1;" rowspan=2>8:00 a.m.</td>

    <td style="background-color: #F8F6D1;" rowspan=2>11:00 a.m.</td>

    <td rowspan=3 style="position: absolute;padding-top:7px;padding-bottom: 7px;padding-right:148px;">XPath</td>

  </tr>

  <tr></tr>

  <tr>

    <td style="background-color: #F8F6D1;" rowspan=2>11:00 a.m.</td>

    <td style="background-color: #C7F8D8;" rowspan=2>2:00 p.m.</td>

  </tr>

  <tr>

    <td rowspan=3 style="position: absolute;padding-top: 7px;padding-bottom: 7px;padding-right:50px;margin-top: 10px;">XSL Transformations</td>

  </tr>

  <tr>

    <td style="background-color: #C7F8D8;" rowspan=2>2:00 p.m.</td>

    <td style="background-color:#BFB4F8;" rowspan=2>5:00 p.m.</td>

  </tr>

  <tr></tr>

  <tr>

    <td>Wednesday</td>

    <td style="background-color: #F8F6D1;">8:00 a.m.</td>

    <td style="background-color: #C7F8D8;">12:00 p.m.</td>

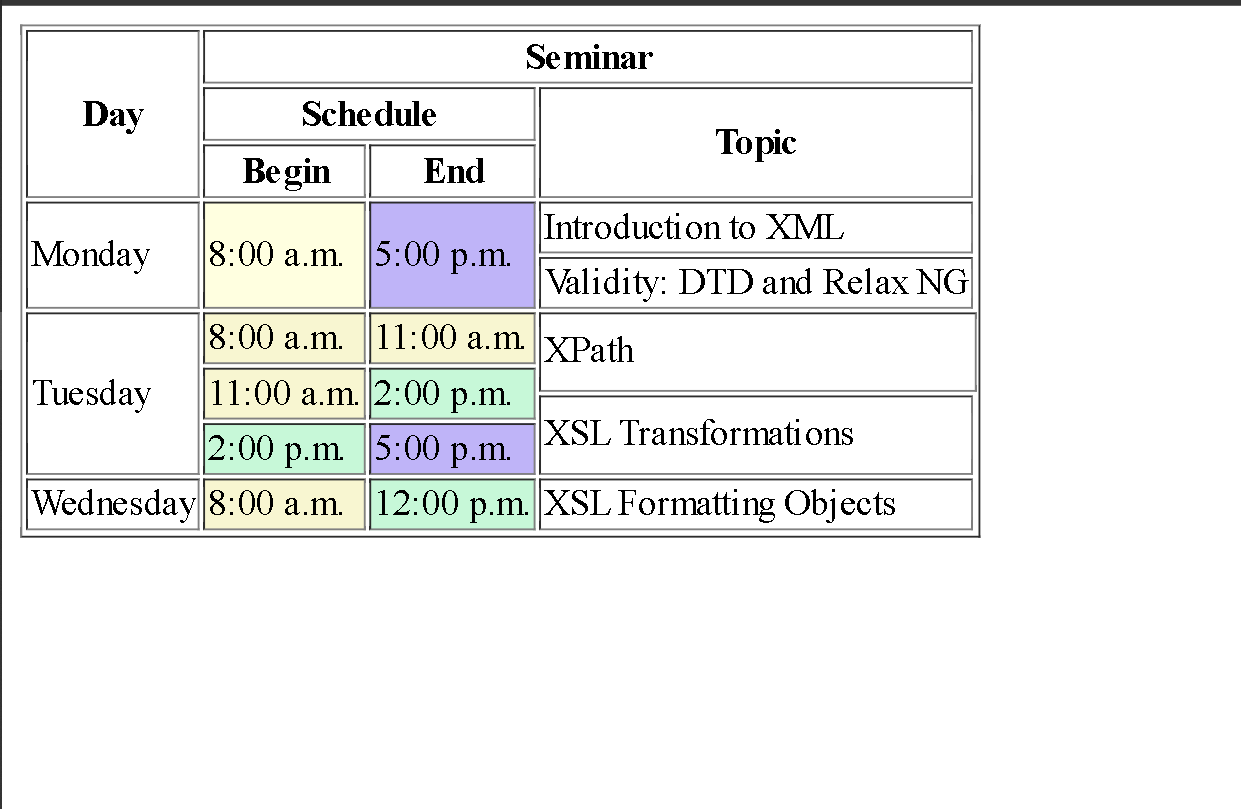
    <td>XSL Formatting Objects</td>

  </tr>

</table>

</body>

</html>



1. Write a JavaScript function to check whether an `input` is an integer or not.

<html>

  <head>

    <script data-require="jquery@2.1.3" data-server="2.1.3" src="https://code.jquery.com/jquery-2.1.3.min.js"></script>

    <script type="text/javascript">

      var check = function(){

        if($.isNumeric($('#userInput').val()))

          alert('Is Integer');

        else

          alert('Not an Integer');

      }

   </script>

  </head>

  <body>

    <form>

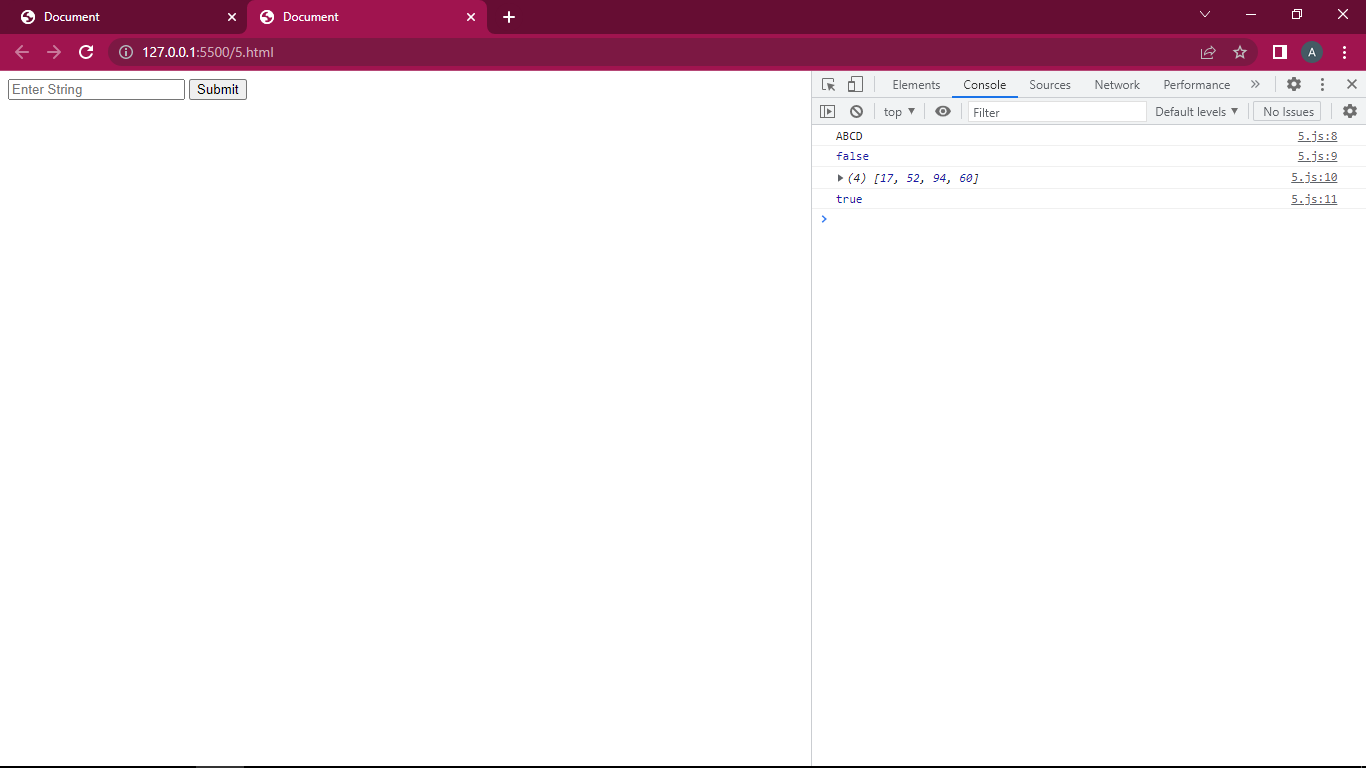
      <input type="text" id="userInput" />

      <button id="sub" onclick="check()" value="Test">test</button>

    </form>

  </body>

</html>

****

**6.** write a java script function to move a circle from top to bottom with 50 px;

circle attributes:

background color: blue

border color: red

**<!DOCTYPE html>**

**<html>**

**<head>**

**<title>Move Circle</title>**

**<style>**

**.circle{**

**border: 1px solid red;**

**border-color: red;**

**background-color: blue;**

**height: 200px;**

**width: 200px;**

**border-radius: 100px;**

**position: absolute;**

**text-align: center;**

**line-height: 100px;**

**}**

**</style>**

**</head>**

**<body>**

**<div class="circle">**

**click to move**

**</div>**

**<script>**

**const circle1=document.querySelector(".circle");**

**inc=0;**

**circle1.addEventListener('click', ()=>{**

**inc=inc+50;**

**circle1.style.top=inc+"px";**

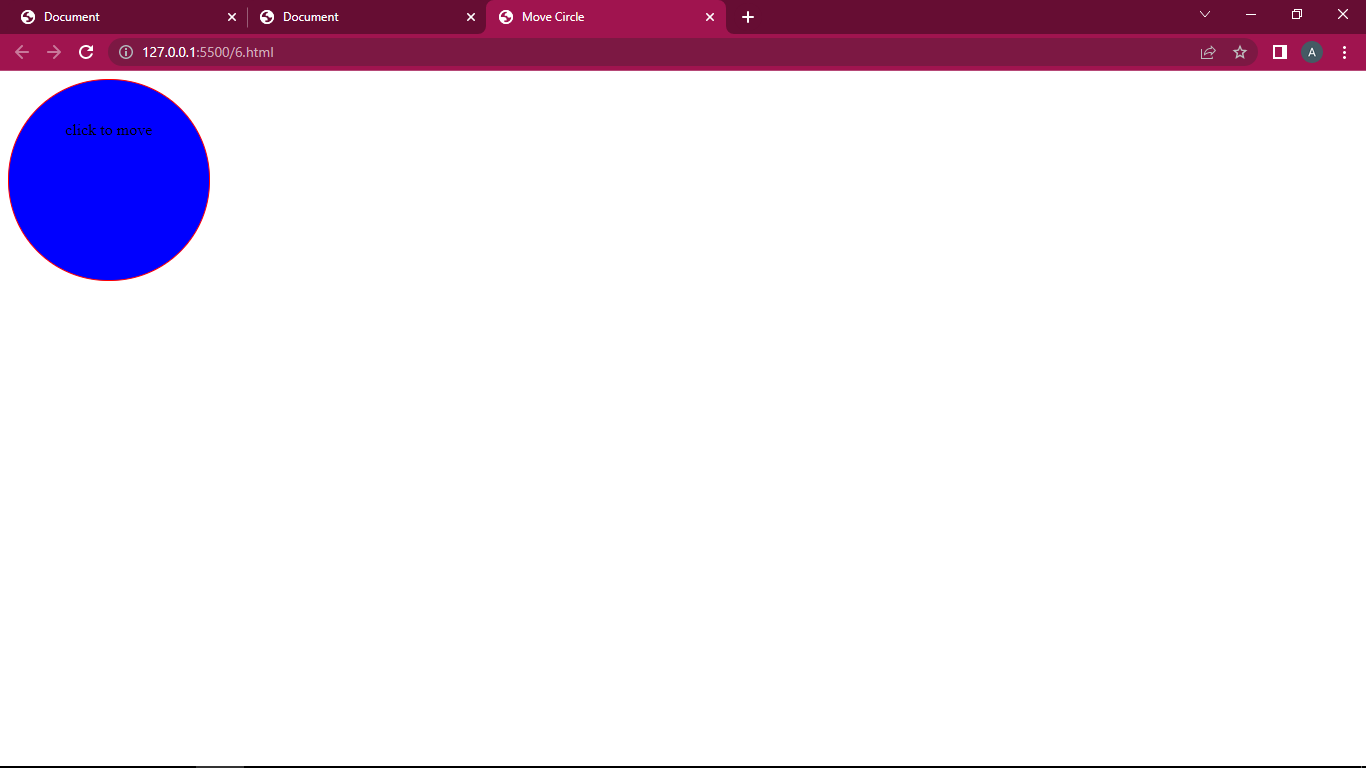
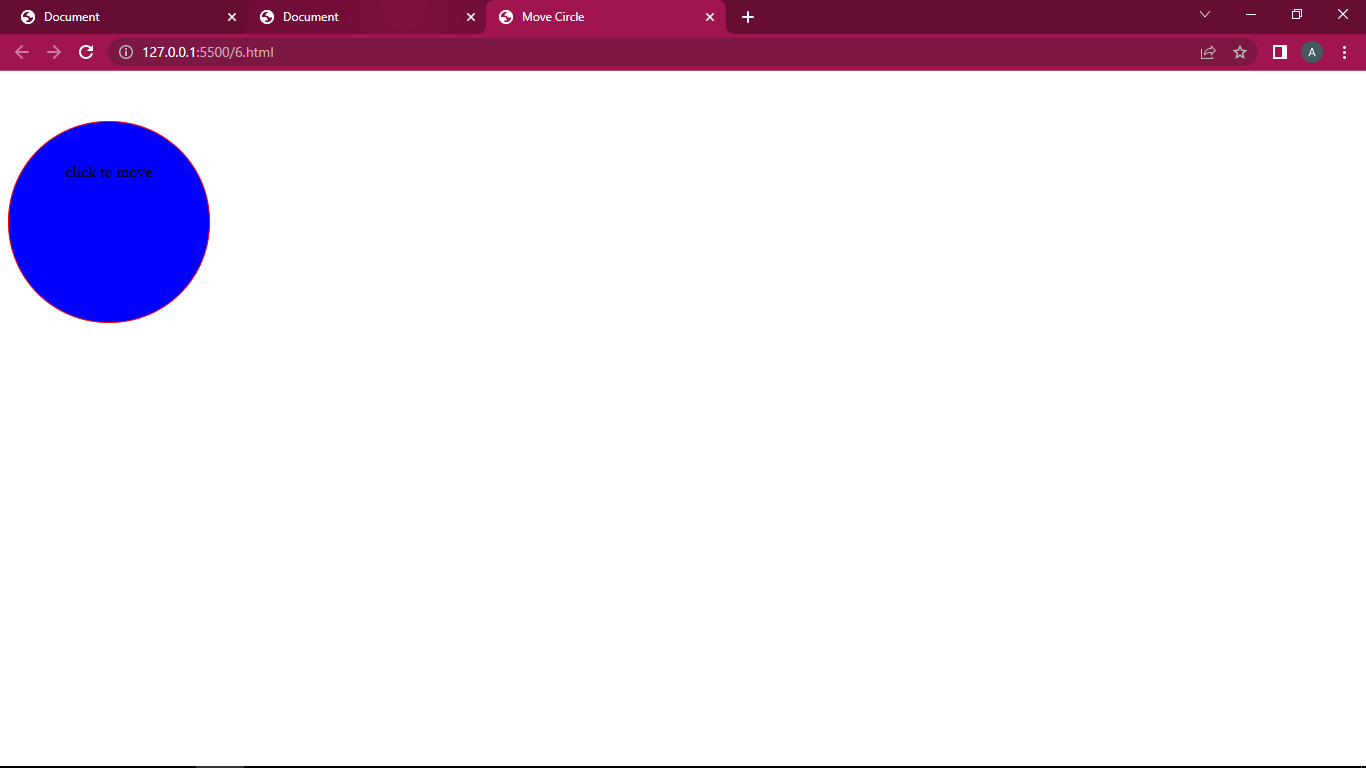
**})**

**</script>**

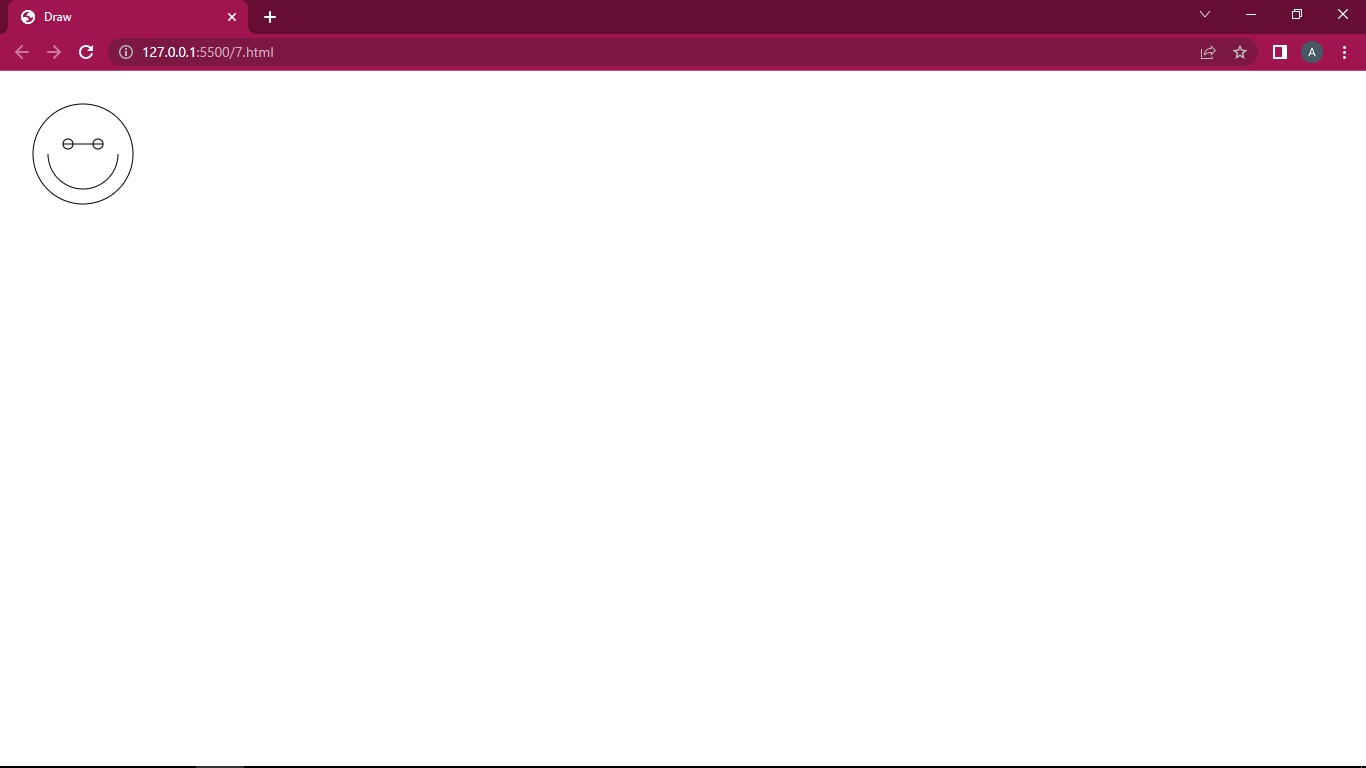
**</body>**

**</html>**

**Click 1 Click 2**

** **

**7. Write a JavaScript program to draw the following diagram [use moveto() function]. Expected Output:**

****

**<!DOCTYPE html>**

**<html>**

**<head>**

**<title>Draw</title>**

**</head>**

**<body onload="draw();">**

**<canvas id="canvas" width="250" height="250"> hello</canvas>**

**<script>**

**function draw(){**

**var canvas=document.getElementById('canvas');**

**if(canvas.getContext){**

**var context=canvas.getContext('2d');**

**context.beginPath();**

**//Outer Circle**

**context.arc(75,75,50,0,Math.PI\*2,true);**

**context.moveTo(110,75);**

**//Mouth**

**context.arc(75,75,35,0,Math.PI,false);**

**//Left and Right Eye**

**context.moveTo(55,65);**

**context.arc(60,65,5,0,Math.PI\*2,true);**

**context.arc(90,65,5,0,Math.PI\*2,true);**

**context.stroke();**

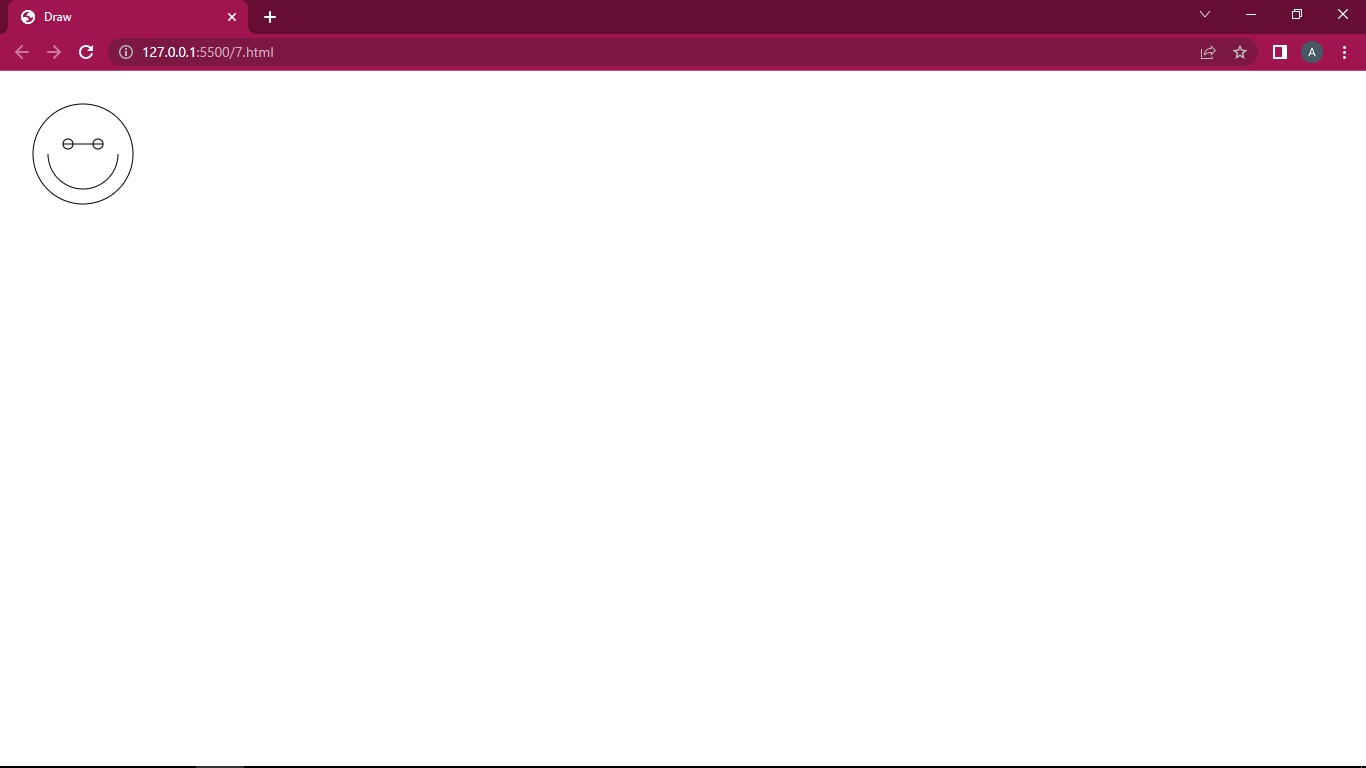
**}**

**}**

**</script>**

**</body>**

**</html>**

****

**8.** Write a JavaScript program to calculate the volume of cube using form.

**<!DOCTYPE html>**

**<html>**

**<head>**

**<title>Document</title>**

**</head>**

**<body>**

**<div align="center">**

**<h3>Enter the side of the cube </h3>**

**<input type="text" id="volume">**

**<button id="vol" onclick="clicked()">click me</button>**

**</div>**

**<script>**

**function clicked(){**

**const vol=document.querySelector('#volume').value;**

**side=vol\*vol\*vol;**

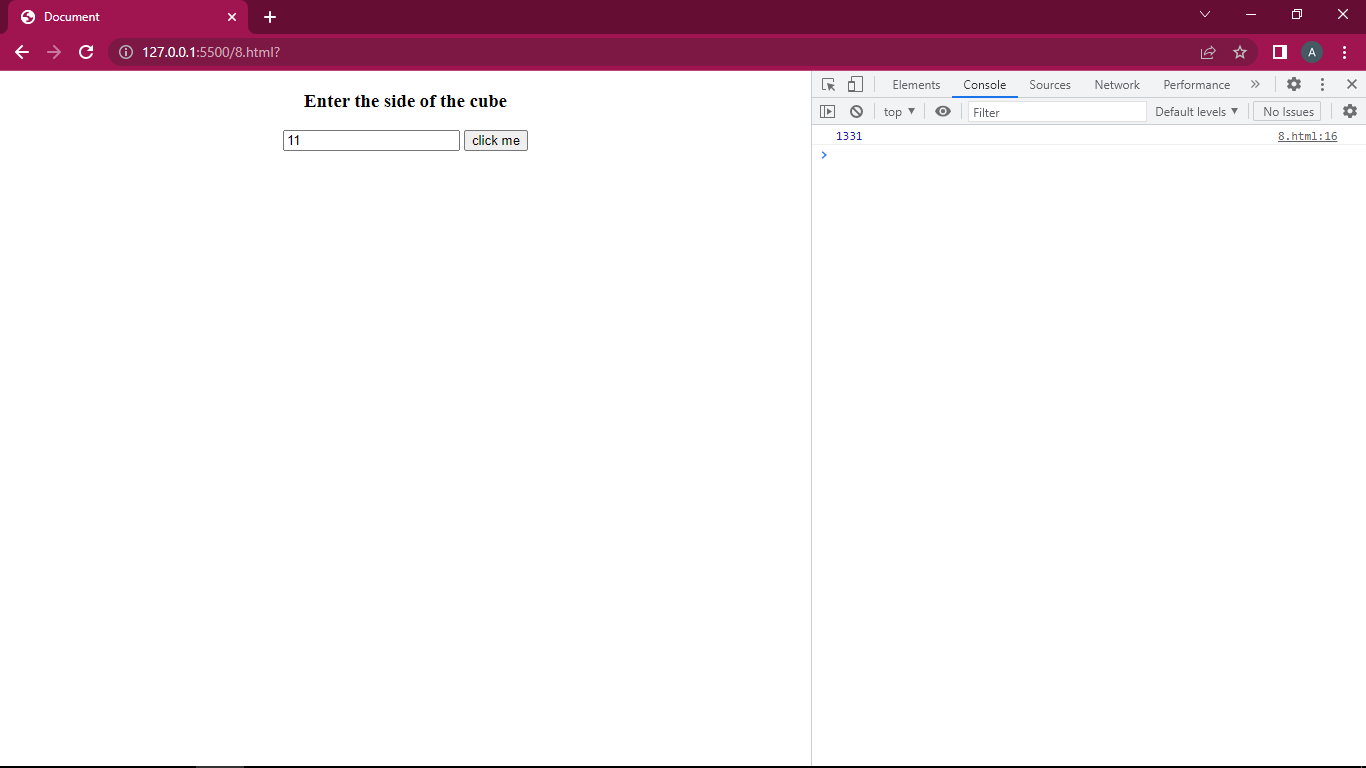
**console.log(side);**

**}**

**</script>**

**</body>**

**</html>**

****

9. Write a JavaScript for loop that will iterate from 0 to 100. For each iteration, it will check if the current number is perfect square or not, and display a message to the screen/console.

**<!DOCTYPE html>**

**<html >**

**<head>**

**<title>Document</title>**

**</head>**

**<body>**

**<script>**

**for(i=0;i<=100;i++){**

**x=Math.sqrt(i);**

**if(Number.isInteger(x))**

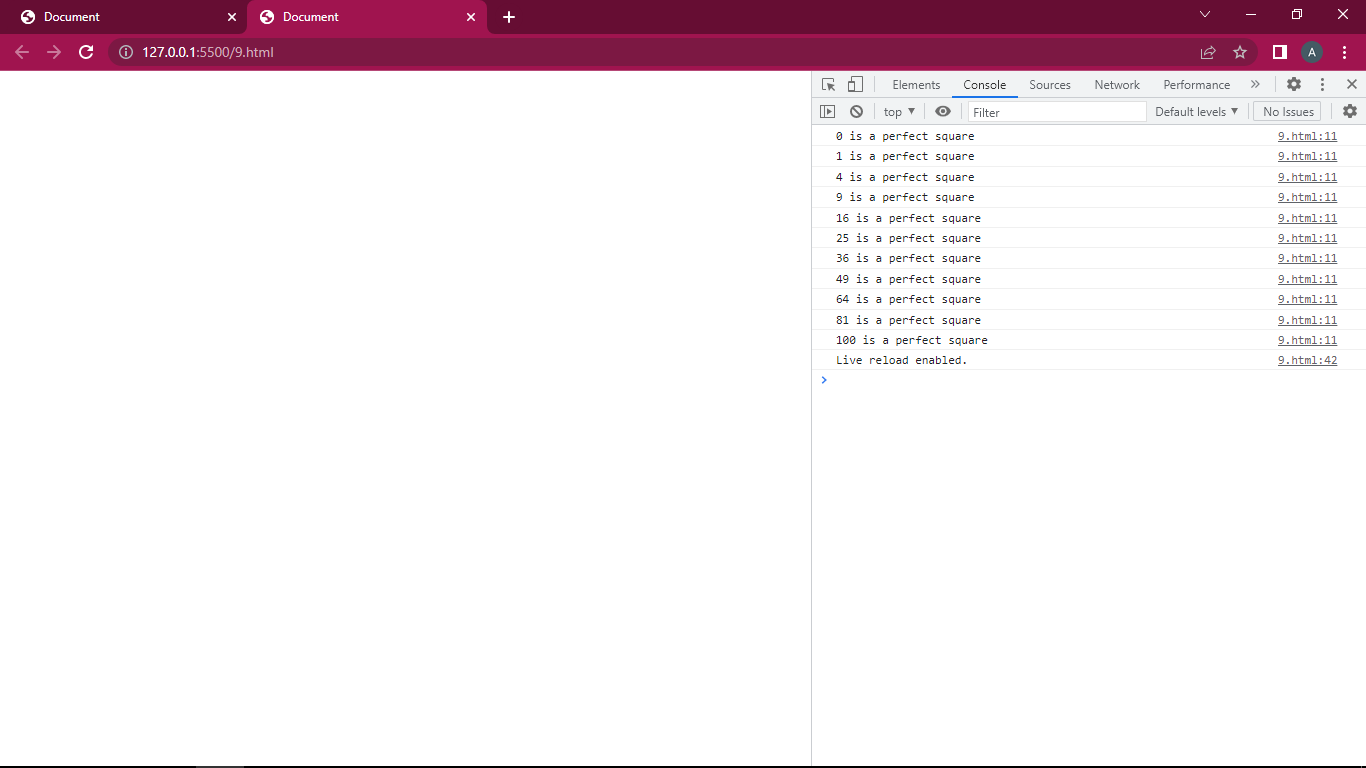
**console.log(i+" is a perfect square");**

**}**

**</script>**

**</body>**

**</html>**



10: Write a JavaScript function to check whether a given value is an valid password & mail-id or not.

<!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>Valid Email and Password</title>

</head>

<body>

    <input id="email" placeholder="Enter your Email" required /></br>

    <input id="password" type="password" placeholder="Enter the password" required /></br>

    <h2 id="isValid"></h2>

    <button id="submitButton">Submit</button>

    <script src="Program10.js"></script>

</body>

</html>

**Program10.js**

let text = document.querySelector("#isValid");

function check(email, password) {

    let flag1 = 0, flag2 = 0;

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

        if (email[i] == '@') {

            for (let j = i + 1; j < email.length; j++) {

                if (email[j] == '.' && j != email.length - 1) {

                    flag1 = 1;

                }

            }

        }

    }

    if (password.length >= 8) {

        flag2 = 1;

    }

    return flag1 && flag2;

}

document.querySelector("#submitButton").addEventListener("click", function (event) {

    let email = document.querySelector("#email").value;

    let password = document.querySelector("#password").value;

    if (check(email, password)) {

        text.innerText = "Valid Email and Password";

    }

    else {

        text.innerText = "Invalid EMail and Password";

    }

    event.preventDefault();

});

**Output:**

