

BHARTI VIDYAPEETH DEEMED UNIVERSITY

(DEEMED TO BE UNIVERSITY)

Kharghar, Navi Mumbai

BCA 2nd year (SEMESTER 4)

SESSION: 2023-2024

JOURNAL: - Lab on HTML CSS JS Journal

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Roll no: A-39

Teacher In-Charge: Mrs. Gayatri Potdar



Bharati Vidyapeeth’s

Department Of Management Studies

Kharghar, Navi Mumbai

**CERTIFICATE**

This is to certify that the journal has been prepared by Mr.Rupesh Rao Roll No. 39 Of BCA (Sem- IV) Div-A for the academic year 2023-2024 in the subject of Lab on HTML,CSS & JS Journal for the fulfilment of BCA.

\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_

Professor-In-Charge External Examiner

Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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| --- | --- |
| 1. | Design a website for a class which shows student’s list linked with their biodata pages. |
| 2. | Design a web page to display the following output.   * List of subjects   + Semester III     - C++     - Dot.Net   + Semester III     - Java     - Industrial Projects * Internet Programming   + HTML   + VBScript   + Java Script |
| 3. | Design a website for PNG jewellers, having images of different types of jewelleries which are linked with the pages giving details about the items. |
| 4. | Design a website for a college showing features of the university, college and list of different courses running in the institute. Course names have links with the pages having details of the courses having similar design using stylesheets |
| 5. | Write a JavaScript code which contains “show” button. When user clicks on show button, first 10 terms of Fibonacci series will be displayed in text box on another HTML page. This page contains button “back”. With this button user can come back to original page |
| 6. | Design a website which accepts a number from user and performs the selected operation (even/odd, prime/not prime, positive/negative). |
| 7. | Design a webpage which provides calculator facilities. |
| 8. | Write JavaScript to display table of numbers 2-10 (use form and form elements) |
| 9. | Design a webpage which accepts users information with validations (name, std code (should not exceed 4 digits), landline number (no. of digits should be between 5 to 7), mobile number (exactly 10 digits), email (should have @ and.)). |
| 10. | Develop a HTML form which accepts mathematical expression in one textbox and display its result in another textbox after clicking on a button showing mathematical operations. |
| 11. | Create a HTML form that has a number of textboxes. When the form runs in the browser fill the textboxes with data. Write the JavaScript code which verifies that all textboxes have been filled. If the textbox has been left empty, popup an Alert indicating which textbox has been left empty. When alert’s OK button is clicked on, set focus to that specific textbox. |
| 12. | Design webpage which accepts no of lines and prints it in the form of triangular shaped pyramid. |
| 13. | Accept data of a student wants to appear for entrance (name, marks at matriculation, higher secondary and graduation). Ask student to select the course he wants to take admission. If the student scores above 55 at matriculation, above 60 at higher secondary and graduation then he is eligible for any course. If he has science degree or maths  at 11th and 12th, then only he is eligible for MCA. Design the form accordingly. Give the according message |
| 14. | Create a form having textboxes, radio button and check boxes and reset button. On clicking the reset button, the entire form should be reset |
| 15. | Design a page for a user to create his login by accepting desired login name, password and confirm the password. |

Q1. Design a website for a class which shows student’s list linked with their biodata pages.

<!DOCTYPE *html*>

<html *lang*="en">

<head>

<meta *charset*="UTF-8">

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

<title>Biodata List</title>

</head>

<body *bgcolor*="pink">

<h1 *align*="center">List of Biodata's</h1>

<hr>

<br>

<ul>

<li>

<a *href*="Practical2.1.1.html">Rupesh Rao</a>

</li>

<br>

<li>

<a *href*="Practical2.1.2.html">Mayur Joshi</a>

</li>

<br>

<li>

<a *href*="Practical2.1.3.html">Kartik Desai</a>

</li>

</ul>

</body>

</html>

<!DOCTYPE *html*>

<html >

<head>

<title>Students Biodata</title>

</head>

<body>

<center>

<h1>Rupesh Rao</h1>

<table *border*="1" *cellpadding*="10px">

<tr><th>Name</th>

<td>Rupesh Rao</td></tr>

<tr><th>Age</th>

<td>19</td></tr>

<tr><th>Gender</th>

<td>Male</td></tr>

<tr><th>Grade</th>

<td>A</td></tr>

<tr><th>Address</th>

<td>New Panvel</td></tr>

<tr><th>Qualification</th>

<td>Student</td></tr>

<tr><th>Contact</th>

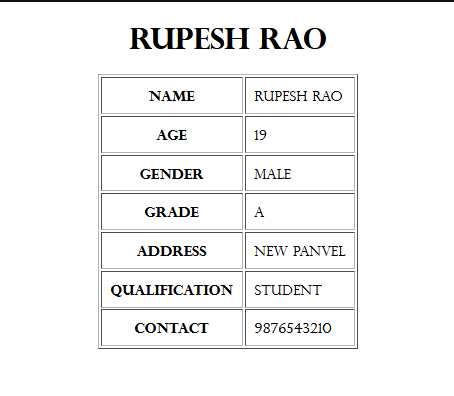
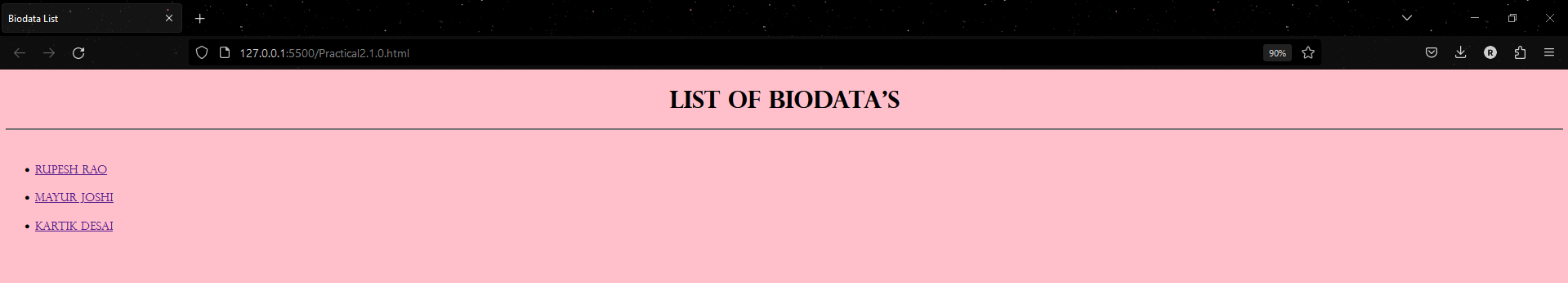
<td>9876543210</td></tr>

</center>

</table>

</body>

</html>



Q2.Design a web page to display the following output.

* List of subjects
  + Semester III
    - C++
    - Dot.Net
  + Semester III
    - Java
    - Industrial Projects
* Internet Programming
  + HTML
  + VBScript
  + Java Script

<!DOCTYPE *html*>

<html *lang*="en">

<head>

<meta *charset*="UTF-8">

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

<title>List</title>

</head>

<body>

<ul>

<li>List of Subjects</li><br>

<ul *type*="circle">

<li>Semester III</li>

<ul *type* ="square">

<li>C++</li>

<li>Dot.Net</li>

</ul>

<br>

<li>Semester III</li>

<ul *type* ="square">

<li>Java</li>

<li>Industrial Projects</li>

<br>

</ul>

</ul>

</ul>

<ul>

<li>Internet Programming</li>

<br>

<ul *type*="circle">

<li>HTML</li>

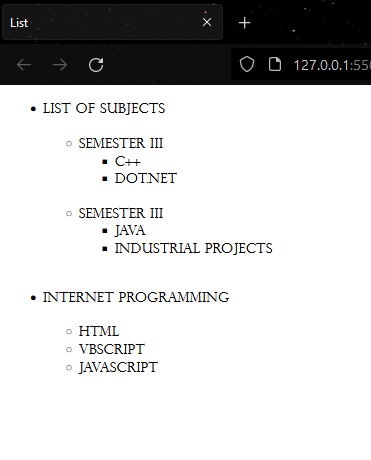
<li>VBScript</li>

<li>JavaScript</li>

</ul>

</body>

</html>



Q3. Design a website for PNG jewellers, having images of different types of jewelleries which are linked with the pages giving details about the items.

<!DOCTYPE *html*>

<html *lang*="en">

<head>

<meta *charset*="UTF-8">

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

<title>PNG Jewlers</title>

</head>

<body *bgcolor*=cyan>

<center>

<h1 *align*="center">PNG Jewlers</h1>

<hr>

<br><br>

<h2>Diamond Ring</h2>

<a *href* ="Practical1.2.1.html"><img *src*="1.2ref1.jpg" *width* ="20%"></a>

<hr>

<h2>ALLEX

Rose-Gold Plated Stone-Diamond Necklace & Earrings Set</h2>

<a *href* ="Practical1.2.2.html"><img *src*="1.2ref2.webp" *width* ="15%"></a>

</center>

</body>

</html>

<!DOCTYPE *html*>

<html *lang*="en">

<head>

<meta *charset*="UTF-8">

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

<title>Platinum Ring</title>

</head>

<body *bgcolor*=" lightgoldenrodyellow”

">

<center>

<h1>Platinum Ring</h1>

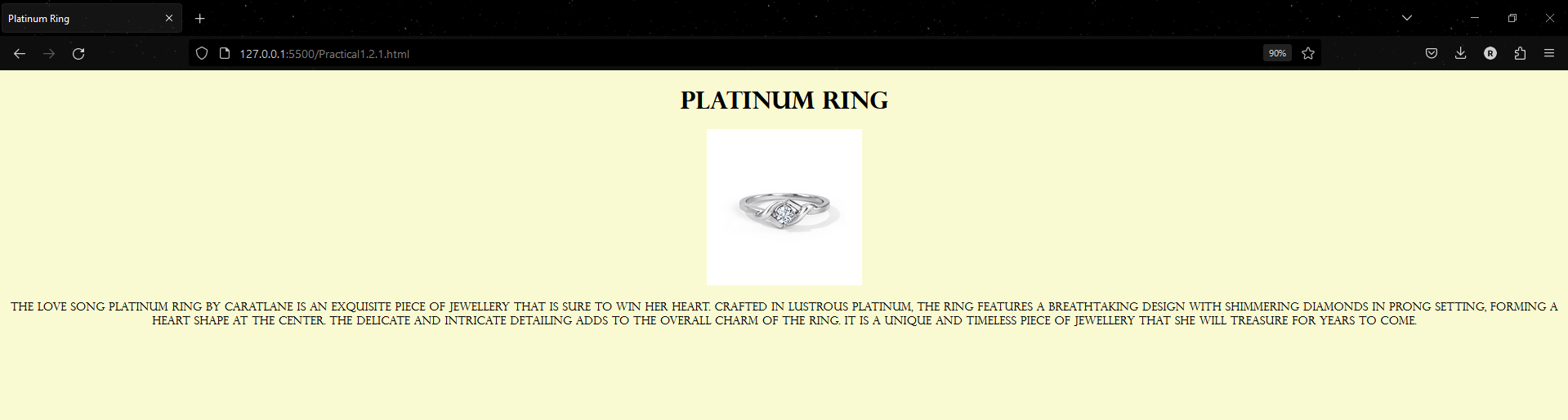
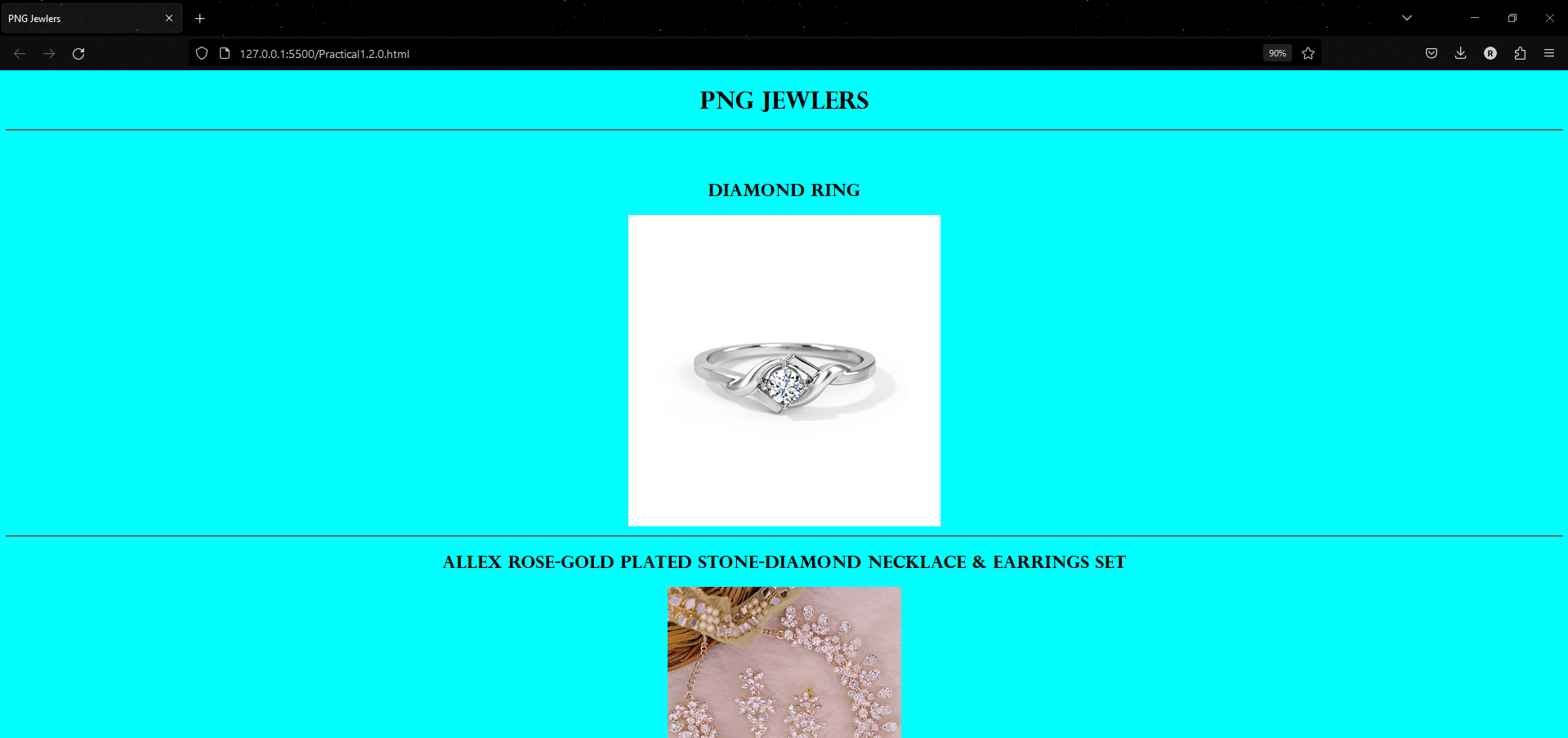
<img *src*="1.2ref1.jpg" *width*="50%">

<p>The Love Song Platinum Ring by CaratLane is an exquisite piece of jewellery that is sure to win her heart. Crafted in lustrous platinum, the ring features a breathtaking design with shimmering diamonds in prong setting, forming a heart shape at the center. The delicate and intricate detailing adds to the overall charm of the ring. It is a unique and timeless piece of jewellery that she will treasure for years to come. </p>

</center>

</body>

</html>



Q4. Design a website for a college showing features of the university, college and list of different courses running in the institute. Course names have links with the pages having details of the courses having similar design using stylesheets.

<!DOCTYPE *html*>

<html *lang*="en">

<head>

<meta *charset*="UTF-8">

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

<title>Bharati Vidyapeeth</title>

<link *rel*="stylesheet" *href*="Style3.2.0.css">

</head>

<body>

<br>

<h1>Bharati Vidyapeeth</h1>

<br>

<hr>

<nav>

<a *href*="Practical3.2.1.html">University Features</a> |

<a *href*="Practical3.2.2.html">Colleges</a> |

<a *href*="Practical3.2.3.0.html">Courses</a>

</nav>

<hr>

<br><br>

<img *src*="3.2.0ref1.jpeg">

</body>

</html>

<!DOCTYPE *html*>

<html *lang*="en">

<head>

<meta *charset*="UTF-8">

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

<title>Colleges</title>

<link *rel*="stylesheet" *href*="Style3.2.2.css">

</head>

<body>

<h1> Colleges</h1>

<br>

<hr *width*="70%">

<br><br><br>

<h3>Pune Dhankawadi Campus</h3>

<hr>

<ul>

<li>School of Allied Health Science and Skill Development</li>

<li>School of Physiotherapy, Pune</li>

<li>School of Photography</li>

<li>School of Optometry, Pune</li>

<li>College of Architecture</li>

<li>And More...</li>

</ul>

<br>

<h3>Pune Erandwane Campus</h3>

<hr>

<ul>

<li>School of Performing Arts, Pune</li>

<li>Institute of Management & Entrepreneurship Development</li>

<li>New Law College</li>

<li>Poona College of Pharmacy</li>

<li>Research and Development Centre in Pharmaceutical Sciences & Applied Chemistry</li>

<li>And More...</li>

</ul>

<br>

<h3>New Delhi Campus</h3>

<hr>

<ul>

<li>Institute of Management and Research, New Delhi</li>

<li>Department of Law, Bharati Vidyapeeth (Deemed to be University) (off Campus) New Delhi </li>

</ul>

<br>

<h3>Navi Mumbai Campus</h3>

<hr>

<ul>

<li>College of Nursing</li>

<li>Dental College & Hospital</li>

<li>Department of Engineering and Technology, Navi Mumbai</li>

<li>Department of Management Studies, Navi Mumbai (Off Campus)</li>

<li>Department of Hospitality and Hotel Administration</li>

</ul>

<br>

<h3>Karad Campus</h3>

<hr>

<ul>

<li>Yashwantrao Mohite Institute of Management</li>

</ul>

<br>

<h3>Sangli Campus</h3>

<hr>

<ul>

<li>College of Nursing</li>

<li>Dental College & Hospital</li>

<li>Medical College & Hospital</li>

<li>School of Physiotherapy</li>

<li>Institute of Management & Rural Development Administration</li>

</ul>

<br>

<h3>Kolhapur Campus</h3>

<hr>

<ul>

<li>Institute of Management, Kolhapur</li>

</ul>

<br>

<h3>Solapur Campus</h3>

<hr>

<ul>

<li>Abhijit Kadam Institute of Management and Social Sciences</li>

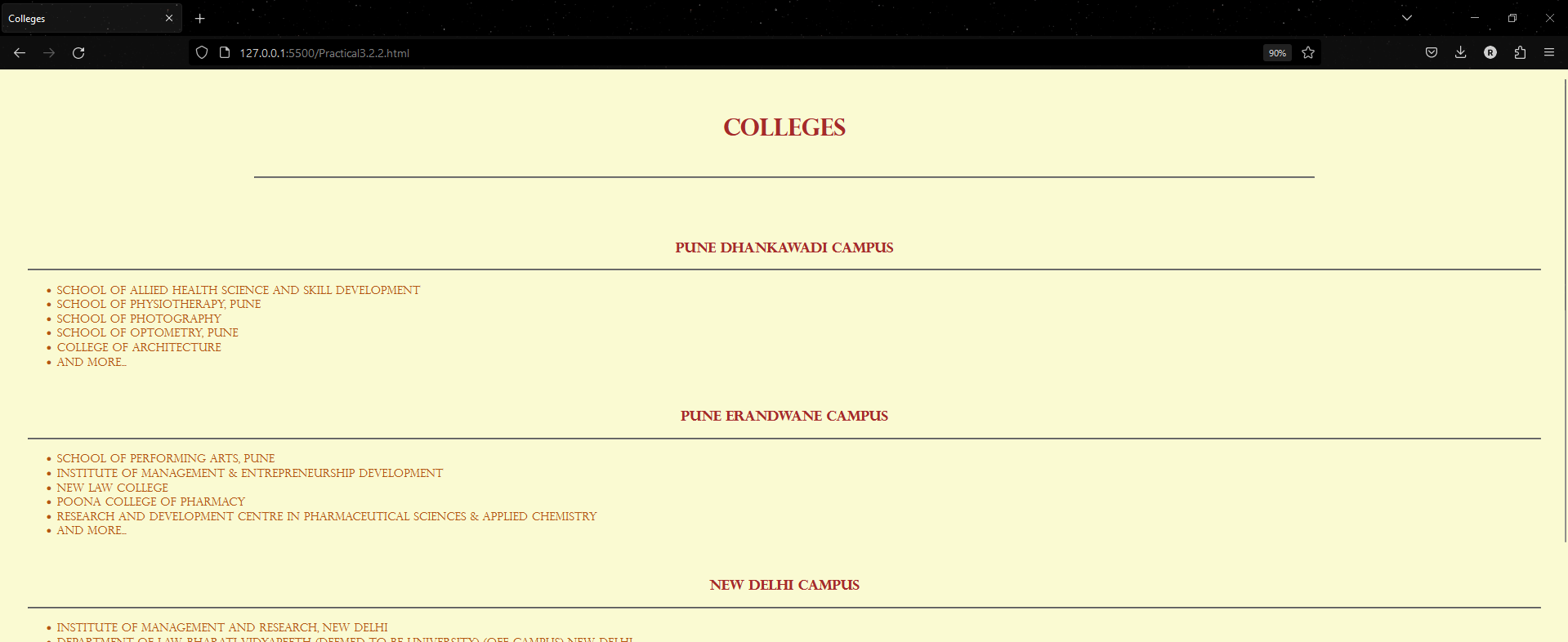
</ul>

<br>

</body>

</html>





Q5. Write a JavaScript code which contains “show” button. When user clicks on show button, first 10 terms of Fibonacci series will be displayed in text box on another HTML page. This page contains button “back”. With this button user can come back to original page

<!DOCTYPE *html*>

<html *lang*="en">

<head>

<meta *charset*="UTF-8">

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

<title>Show Fibonacci</title>

</head>

<body>

<button *onclick*="showFibonacci()">Show</button>

<script>

*function* showFibonacci() {

*window*.*location*.href = 'Practical4.2.1.html';

}

</script>

</body>

</html>

<!DOCTYPE *html*>

<html *lang*="en">

<head>

<meta *charset*="UTF-8">

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

<title>Fibonacci Series</title>

</head>

<body>

<div *id*="fibonacci"></div>

<button *onclick*="goBack()">Back</button>

<script>

*function* generateFibonacci() {

*let* fibonacci = [0, 1];

for (*let* i = 2; i < 10; i++) {

*fibonacci*.push(fibonacci[i - 1] + fibonacci[i - 2]);

}

return *fibonacci*.join(', ');

}

*function* displayFibonacci() {

*document*.getElementById('fibonacci').textContent = generateFibonacci();

}

*function* goBack() {

*window*.*location*.href = 'Practical4.2.0.html';

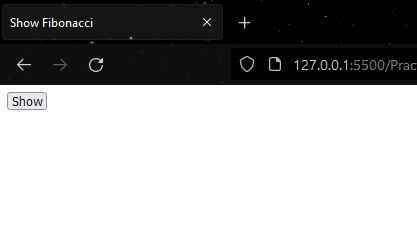
}

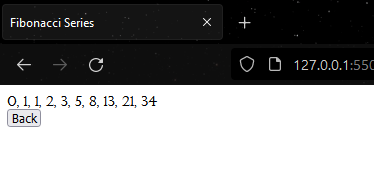
*window*.onload = displayFibonacci;

</script>

</body>

</html>





Q6. Design a website which accepts a number from user and performs the selected operation (even/odd, prime/not prime, positive/negative).

<!DOCTYPE *html*>

<html *lang*="en">

<head>

<meta *charset*="UTF-8">

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

<title>Number Operations</title>

<style>

body {

font-family: Arial, sans-serif;

margin: 0;

padding: 0;

box-sizing: border-box;

}

*.container* {

width: 80*%*;

margin: 20*px* auto;

text-align: center;

}

input[*type*="number"] {

padding: 8*px*;

margin-bottom: 10*px*;

}

button {

padding: 10*px* 20*px*;

margin: 5*px*;

cursor: pointer;

border: none;

background-color: #353535;

color: #fff;

border-radius: 5*px*;

}

button*:hover* {

background-color: #000000;

}

*#result* {

margin-top: 20*px*;

font-weight: bold;

}

</style>

</head>

<body>

<div *class*="container">

<h2>Number Operations</h2>

<input *type*="number" *id*="numberInput" *placeholder*="Enter a number">

<br>

<button *onclick*="checkEvenOdd()">Even / Odd</button>

<button *onclick*="checkPrime()">Prime / Not Prime</button>

<button *onclick*="checkPositiveNegative()">Positive / Negative</button>

<div *id*="result"></div>

</div>

<script>

*function* checkEvenOdd() {

*var* number = parseInt(*document*.getElementById('numberInput').value);

if (number % 2 === 0) {

*document*.getElementById('result').innerText = number + ' is even.';

} else {

*document*.getElementById('result').innerText = number + ' is odd.';

}

}

*function* checkPrime() {

*var* number = parseInt(*document*.getElementById('numberInput').value);

if (number <= 1) {

*document*.getElementById('result').innerText = number + ' is not prime.';

return;

}

for (*var* i = 2; i <= *Math*.sqrt(number); i++) {

if (number % i === 0) {

*document*.getElementById('result').innerText = number + ' is not prime.';

return;

}

}

*document*.getElementById('result').innerText = number + ' is prime.';

}

*function* checkPositiveNegative() {

*var* number = parseInt(*document*.getElementById('numberInput').value);

if (number === 0) {

*document*.getElementById('result').innerText = number + ' is neither positive nor negative.';

} else if (number > 0) {

*document*.getElementById('result').innerText = number + ' is positive.';

} else {

*document*.getElementById('result').innerText = number + ' is negative.';

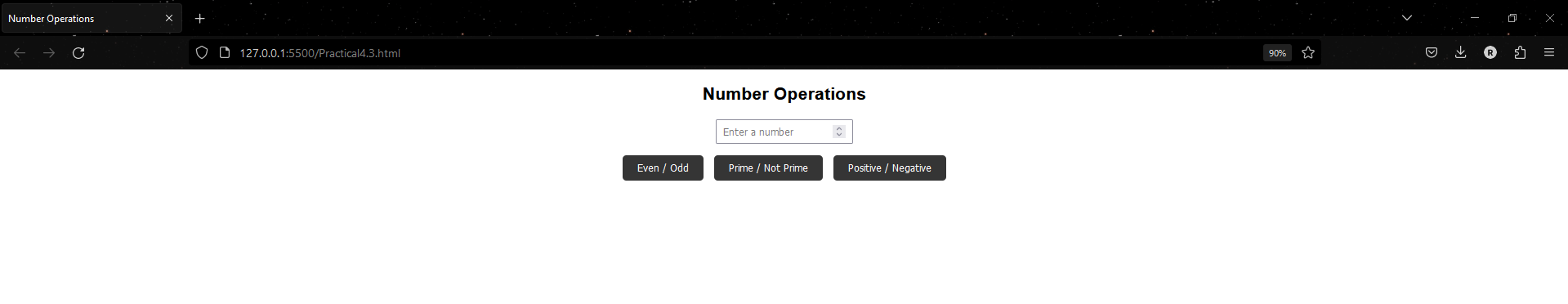
}

}

</script>

</body>

</html>



Q7. Design a webpage which provides calculator facilities.

<!DOCTYPE *html*>

<html *lang*="en">

<head>

<meta *charset*="UTF-8">

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

<title>Calculator</title>

<style>

*.calculator* {

width: 400*px*;

margin: 50*px* auto;

border: 1*px* solid #ccc;

background-color: #727272;

border-radius: 5*px*;

padding: 10*px*;

}

*#display*{

width: 95*%*;

padding: 10*px*;

margin-bottom: 10*px*;

}

*.keys* {

display: grid;

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

grid-gap: 5*px*;

}

button {

padding: 15*px*;

font-size: 1.2*em*;

border: none;

background-color: #3333336c;

cursor: pointer;

}

button*:hover* {

background-color: #b6b6b6;

}

</style>

</head>

<body>

<div *class*="calculator">

<input *type*="text" *id*="display" *disabled*>

<div *class*="keys">

<button *onclick*="AddAsNumber('7')">7</button>

<button *onclick*="AddAsNumber('8')">8</button>

<button *onclick*="AddAsNumber('9')">9</button>

<button *onclick*="AddAsOperator('+')">+</button>

<button *onclick*="AddAsNumber('4')">4</button>

<button *onclick*="AddAsNumber('5')">5</button>

<button *onclick*="AddAsNumber('6')">6</button>

<button *onclick*="AddAsOperator('-')">-</button>

<button *onclick*="AddAsNumber('1')">1</button>

<button *onclick*="AddAsNumber('2')">2</button>

<button *onclick*="AddAsNumber('3')">3</button>

<button *onclick*="appendOperator('\*')">\*</button>

<button *onclick*="AddAsNumber('0')">0</button>

<button *onclick*="AddAsNumber('.')">.</button>

<button *onclick*="clearDisplay()">C</button>

<button *onclick*="calculate()">=</button>

<button *onclick*="appendOperator('/')">/</button>

</div>

</div>

<script>

*let* expression = '';

*function* AddAsNumber(num) {

expression += num;

updateDisplay();

}

*function* AddAsOperator(operator) {

expression += operator;

updateDisplay();

}

*function* clearDisplay() {

expression = '';

updateDisplay();

}

*function* calculate() {

try {

*const* result = eval(expression);

expression = *result*.toString();

updateDisplay();

} catch (error) {

alert('Invalid expression');

clearDisplay();

}

}

*function* updateDisplay() {

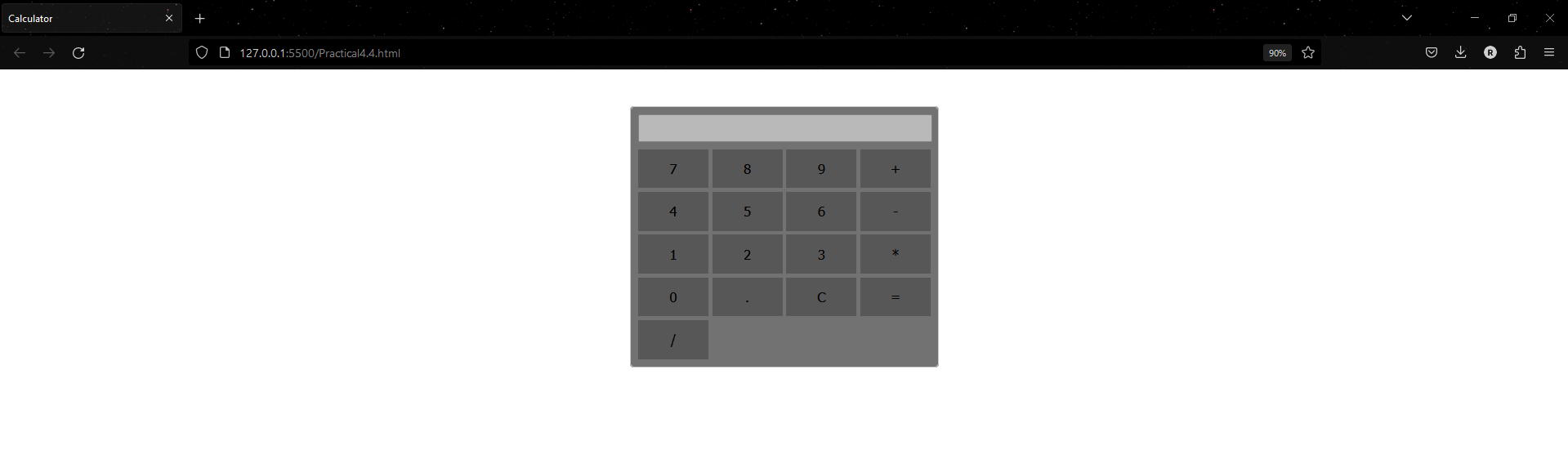
*document*.getElementById('display').value = expression;

}

</script>

</body>

</html>



Q8. Write JavaScript to display table of numbers 2-10 (use form and form elements)

<!DOCTYPE *html*>

<html *lang*="en">

<head>

<meta *charset*="UTF-8">

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

<title>Multiplication Tables</title>

<style>

*.table-container* {

display: inline-block;

width: 30*%*;

margin: 10*px*;

}

table {

border-collapse: collapse;

width: 100*%*;

}

th, td {

border: 1*px* solid black;

padding: 8*px*;

text-align: center;

}

h3{

text-align: center;

}

th{

background-color: orange

}

td{

background-color: lightgoldenrodyellow;

}

</style>

</head>

<body>

<h2 *style*="text-align: center;">Multiplication Tables</h2>

<hr *width*="30%">

<div *class*="table-container">

<h3>Tables for 2</h3>

<hr *width*="40%"><br>

<div *id*="tableContainer1"></div>

</div>

<div *class*="table-container">

<h3>Tables for 3</h3>

<hr *width*="40%"><br>

<div *id*="tableContainer2"></div>

</div>

<div *class*="table-container">

<h3>Tables for 4</h3>

<hr *width*="40%"><br>

<div *id*="tableContainer3"></div>

</div>

<div *class*="table-container">

<h3>Tables for 5</h3>

<hr *width*="40%"><br>

<div *id*="tableContainer4"></div>

</div>

<div *class*="table-container">

<h3>Tables for 6</h3>

<hr *width*="40%"><br>

<div *id*="tableContainer5"></div>

</div>

<div *class*="table-container">

<h3>Tables for 7</h3>

<hr *width*="40%"><br>

<div *id*="tableContainer6"></div>

</div>

<div *class*="table-container">

<h3>Tables for 8</h3>

<hr *width*="40%"><br>

<div *id*="tableContainer7"></div>

</div>

<div *class*="table-container">

<h3>Tables for 9</h3>

<hr *width*="40%"><br>

<div *id*="tableContainer8"></div>

</div>

<div *class*="table-container">

<h3>Tables for 10</h3>

<hr *width*="40%"><br>

<div *id*="tableContainer9"></div>

</div>

<script>

*function* generateTable(number, containerId) {

*var* table = "<table>";

table += "<tr><th colspan='3'>Multiplication Table of " + number + "</th></tr>";

for (*var* j = 1; j <= 10; j++) {

table += "<tr><td>" + number + " x " + j + "</td><td>=</td><td>" + (number \* j) + "</td></tr>";

}

table += "</table>";

*document*.getElementById(containerId).innerHTML = table;

}

generateTable(2, 'tableContainer1');

generateTable(3, 'tableContainer2');

generateTable(4, 'tableContainer3');

generateTable(5, 'tableContainer4');

generateTable(6, 'tableContainer5');

generateTable(7, 'tableContainer6');

generateTable(8, 'tableContainer7');

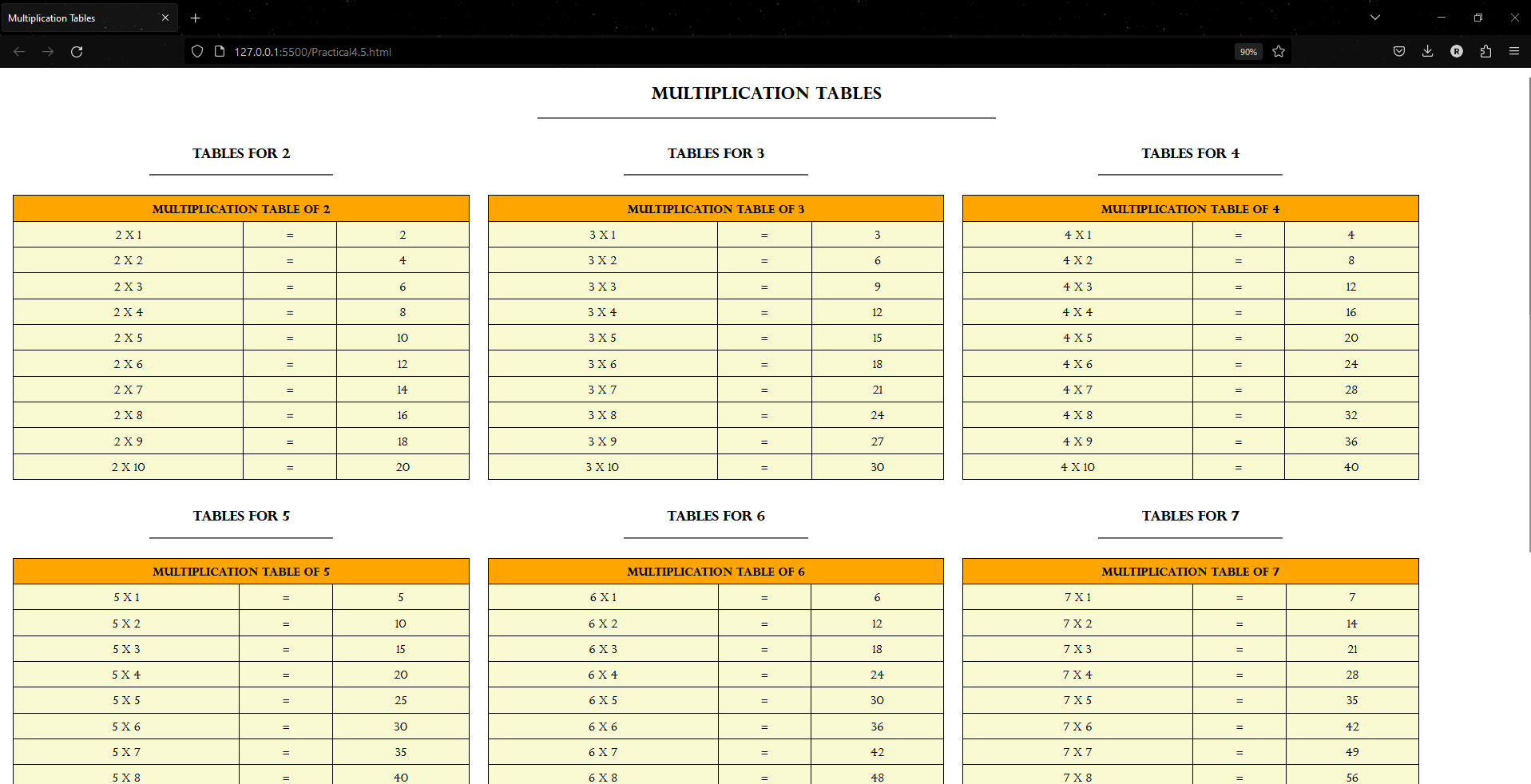
generateTable(9, 'tableContainer8');

generateTable(10, 'tableContainer9');

</script>

</body>

</html>



Q9. Design a webpage which accepts users information with validations (name, std code (should not exceed 4 digits), landline number (no. of digits should be between 5 to 7), mobile number (exactly 10 digits), email (should have @ and.)).

<!DOCTYPE *html*>

<html *lang*="en">

<head>

<meta *charset*="UTF-8">

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

<title>User Information Form</title>

</head>

<body>

<style>

*.container* {

max-width: 600*px*;

margin: 0 auto;

}

input[*type*="text"],

input[*type*="number"],

input[*type*="tel"],

input[*type*="email"],

button {

width: 100*%*;

margin-bottom: 10*px*;

}

button {

padding: 10*px* 20*px*;

background-color: #007bff;

color: #fff;

border: none;

cursor: pointer;

}

input*:invalid* {

border: 1*px* solid red;

}

</style>

<div *class*="container">

<h1>User Information Form</h1>

<form *id*="userInfoForm">

<label *for*="name">Name:</label>

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

<label *for*="stdCode">STD Code:</label>

<input *type*="number" *id*="stdCode" *name*="stdCode" *min*="0" *max*="9999" *required*>

<label *for*="landline">Landline Number:</label>

<input *type*="tel" *id*="landline" *name*="landline" *pattern*="[0-9]{5,7}" *required*>

<label *for*="mobile">Mobile Number:</label>

<input *type*="tel" *id*="mobile" *name*="mobile" *pattern*="[0-9]{10}" *required*>

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

<input *type*="email" *id*="email" *name*="email" *required*>

<button *type*="submit">Submit</button>

</form>

</div>

<script>

*document*.getElementById('userInfoForm').addEventListener('submit', *function*(event) {

*event*.preventDefault();

*const* name = *document*.getElementById('name').value;

*const* stdCode = *document*.getElementById('stdCode').value;

*const* landline = *document*.getElementById('landline').value;

*const* mobile = *document*.getElementById('mobile').value;

*const* email = *document*.getElementById('email').value;

if (*stdCode*.length > 4) {

alert('STD code should not exceed 4 digits.');

return;

}

if (*landline*.length < 5 || *landline*.length > 7) {

alert('Landline number should have 5 to 7 digits.');

return;

}

if (*mobile*.length !== 10) {

alert('Mobile number should have exactly 10 digits.');

return;

}

if (!*email*.includes('@') || !*email*.includes('.')) {

alert('Email should contain "@" and "."');

return;

}

alert('Information submitted successfully:\nName: ' + name +

'\nSTD Code: ' + stdCode +

'\nLandline Number: ' + landline +

'\nMobile Number: ' + mobile +

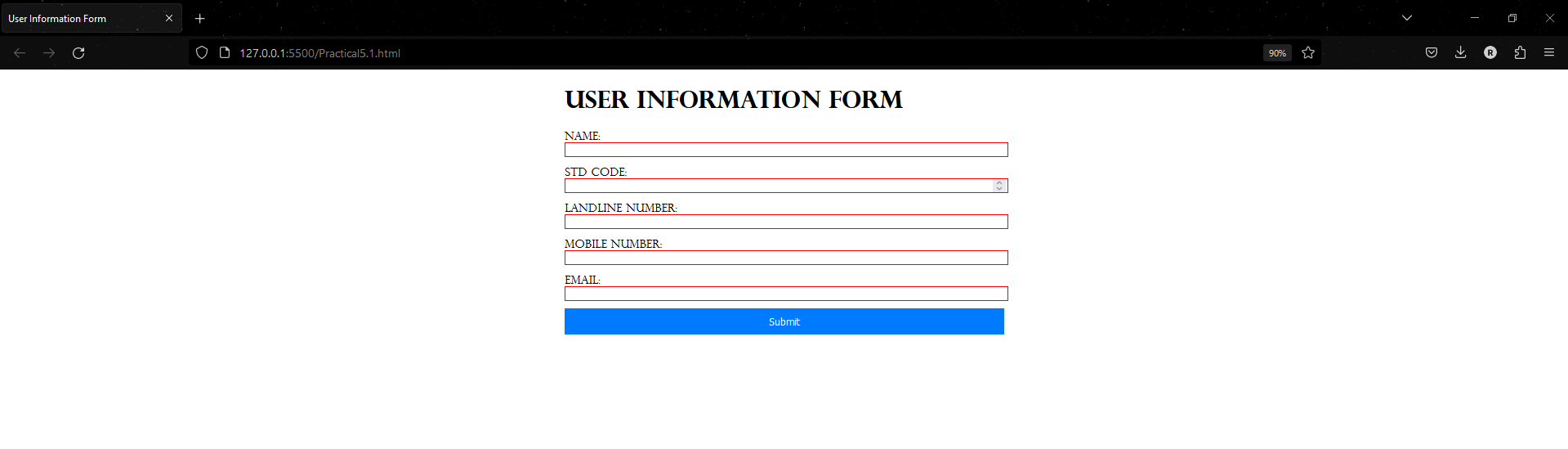
'\nEmail: ' + email);

});

</script>

</body>

</html>



Q10. Develop a HTML form which accepts mathematical expression in one textbox and display its result in another textbox after clicking on a button showing mathematical operations.

<!DOCTYPE *html*>

<html *lang*="en">

<head>

<meta *charset*="UTF-8">

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

<title>Mathematical Expression Evaluator</title>

<style>

body {

font-family: Arial, sans-serif;

text-align: center;

}

*.container* {

margin: 50*px* auto;

width: 300*px*;

}

input[*type*="text"] {

width: 100*%*;

margin-bottom: 10*px*;

padding: 5*px*;

box-sizing: border-box;

}

input[*type*="button"] {

padding: 10*px*;

background-color: #007bff;

color: #fff;

border: none;

cursor: pointer;

}

*.result* {

margin-top: 20*px*;

font-weight: bold;

}

</style>

</head>

<body>

<div *class*="container">

<h2>Mathematical Expression Evaluator</h2>

<input *type*="text" *id*="expressionInput" *placeholder*="Enter mathematical expression">

<br>

<input *type*="button" *value*="Evaluate" *onclick*="evaluateExpression()">

<br><br>

<h2>Result:</h2>

<input *type*="text" *id*="resultOutput" *class*="result" *readonly*>

</div>

<script>

*function* evaluateExpression() {

*var* expression = *document*.getElementById('expressionInput').value;

try {

*var* result = eval(expression);

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

} catch (error) {

*document*.getElementById('resultOutput').value = "Error: Invalid expression!";

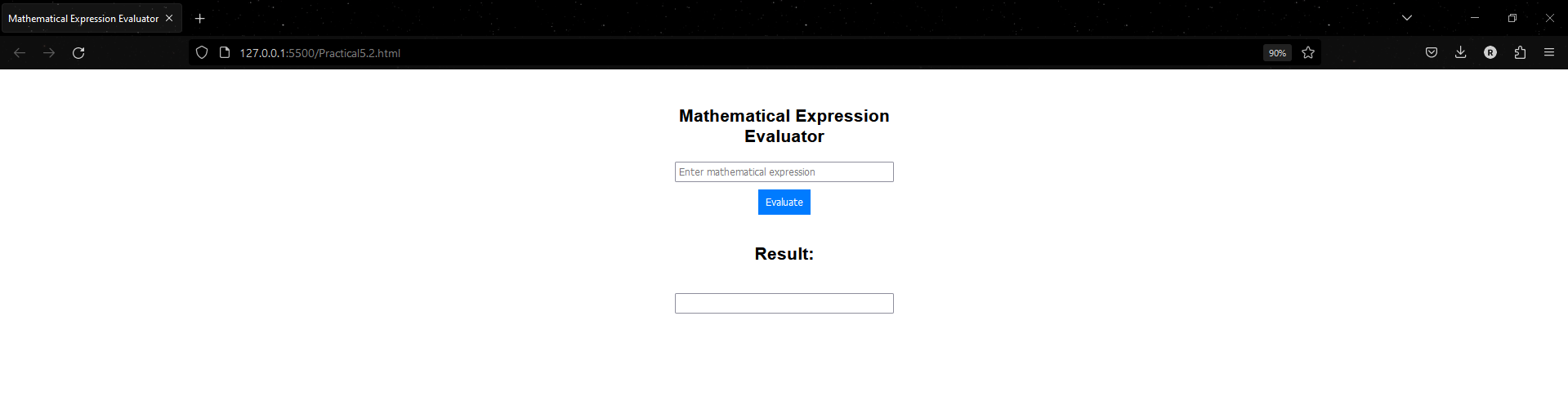
}

}

</script>

</body>

</html>



Q11. Create a HTML form that has a number of textboxes. When the form runs in the browser fill the textboxes with data. Write the JavaScript code which verifies that all textboxes have been filled. If the textbox has been left empty, popup an Alert indicating which textbox has been left empty. When alert’s OK button is clicked on, set focus to that specific textbox.

<!DOCTYPE *html*>

<html *lang*="en">

<head>

<meta *charset*="UTF-8">

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

<title>Verify Textboxes</title>

<style>

*.container* {

max-width: 400*px*;

margin: 50*px* auto;

text-align: center;

}

input[*type*="text"] {

width: 100*%*;

margin-bottom: 10*px*;

padding: 5*px*;

box-sizing: border-box;

}

input[*type*="button"] {

padding: 10*px* 20*px*;

background-color: #007bff;

color: #fff;

border: none;

cursor: pointer;

}

</style>

</head>

<body>

<div *class*="container">

<h2>Verify Textboxes</h2>

<form *id*="myForm">

<label *for*="name">Name:</label>

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

<label *for*="qualifications">Qualifications:</label>

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

<label *for*="contact">Contact:</label>

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

<label *for*="email">Email Address:</label>

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

<br>

<input *type*="button" *value*="Verify Textboxes" *onclick*="verifyTextboxes()">

</form>

</div>

<script>

*function* verifyTextboxes() {

*var* textboxes = *document*.getElementsByTagName('input');

for (*var* i = 0; i < *textboxes*.length; i++) {

if (textboxes[i].type === 'text' && textboxes[i].value === '') {

*var* fieldName = *document*.querySelector('label[for="' + textboxes[i].id + '"]').textContent;

alert(fieldName + ' field is empty.');

textboxes[i].focus();

return;

}

}

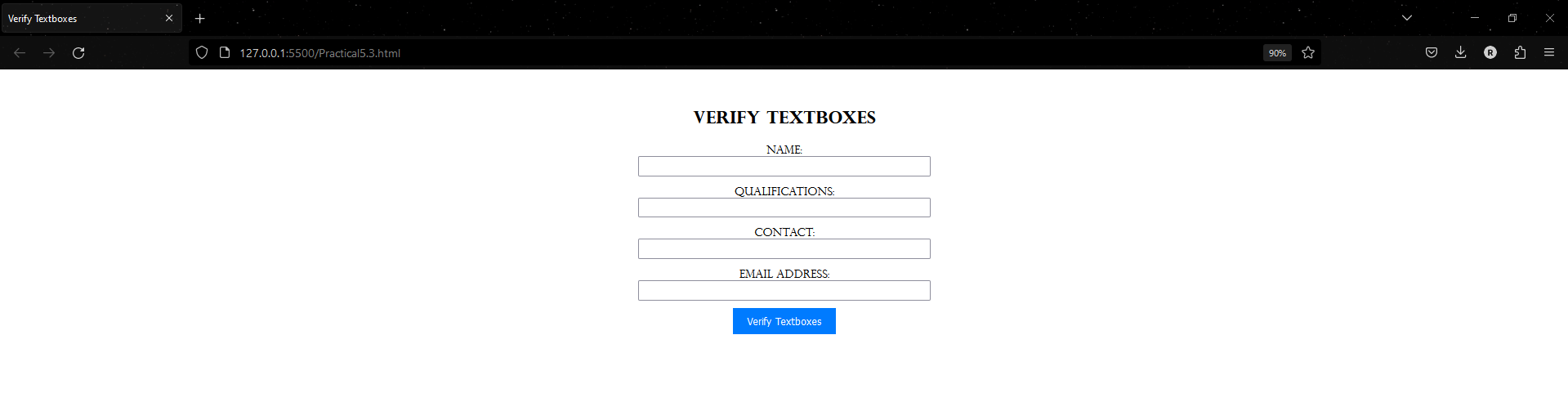
alert('All textboxes are filled.');

}

</script>

</body>

</html>



Q12. Design webpage which accepts no of lines and prints it in the form of triangular shaped pyramid.

<!DOCTYPE *html*>

<html *lang*="en">

<head>

<meta *charset*="UTF-8">

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

<title>Triangular Pyramid</title>

<style>

*.container* {

max-width: 600*px*;

margin: 50*px* auto;

text-align: center;

}

*#pyramid* {

margin-top: 20*px*;

font-size: 20*px*;

}

</style>

</head>

<body>

<div *class*="container">

<h2>Triangular Pyramid</h2>

<label *for*="lines">Enter the number of lines:</label>

<input *type*="number" *id*="lines" *min*="1" *max*="10">

<button *onclick*="drawPyramid()">Draw Pyramid</button>

<div *id*="pyramid"></div>

</div>

<script>

*function* drawPyramid() {

*var* lines = parseInt(*document*.getElementById('lines').value);

*var* pyramid = '';

for (*var* i = 1; i <= lines; i++) {

for (*var* j = 1; j <= lines - i; j++) {

pyramid += '&nbsp;&nbsp;';

}

for (*var* k = 1; k <= i \* 2 - 1; k++) {

pyramid += '\*';

}

pyramid += '<br>';

}

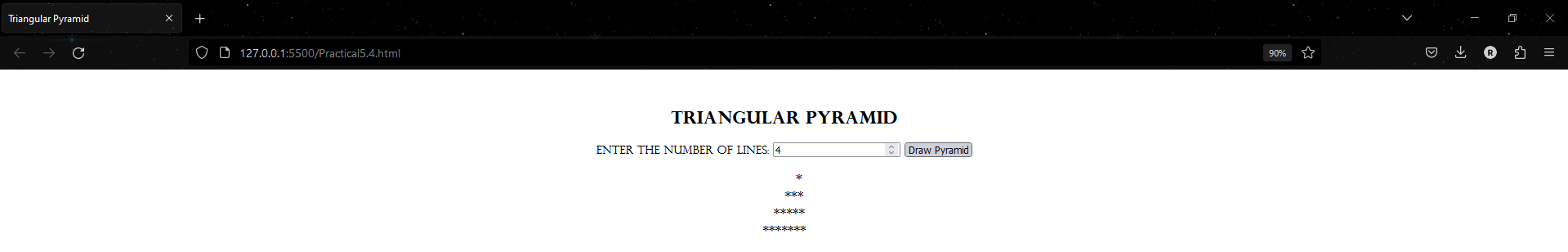
*document*.getElementById('pyramid').innerHTML = pyramid;

}

</script>

</body>

</html>



Q13. Accept data of a student wants to appear for entrance (name, marks at matriculation, higher secondary and graduation). Ask student to select the course he wants to take admission. If the student scores above 55 at matriculation, above 60 at higher secondary and graduation then he is eligible for any course. If he has science degree or maths at 11th and 12th, then only he is eligible for MCA. Design the form accordingly. Give the according message

<!DOCTYPE *html*>

<html *lang*="en">

<head>

<meta *charset*="UTF-8">

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

<title>Eligibility Form</title>

</head>

<body>

<h2>Student Eligibility Form</h2>

<form>

<label *for*="name">Name:</label>

<input *type*="text" *id*="name" *name*="name" *required*><br><br>

<label *for*="ssc">SSC Percentage:</label>

<input *type*="text" *id*="ssc" *name*="ssc" *required*><br><br>

<label *for*="hsc">HSC Percentage:</label>

<input *type*="text" *id*="hsc" *name*="hsc" *required*><br><br>

<label *for*="graduation">Graduation Percentage:</label>

<input *type*="text" *id*="graduation" *name*="graduation" *required*><br><br>

<label *for*="stream">Stream:</label>

<input *type*="radio" *id*="science" *name*="stream" *value*="Science" *required*>

<label *for*="science">Science</label>

<input *type*="radio" *id*="commerce" *name*="stream" *value*="Commerce">

<label *for*="commerce">Commerce</label>

<input *type*="radio" *id*="arts" *name*="stream" *value*="Arts">

<label *for*="arts">Arts</label><br><br>

<label *for*="course">Courses:</label>

<select *id*="course" *name*="course">

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

<option *value*="MCA">MCA (Science in HSC)</option>

<option *value*="Any">Other course (Above 60% in HSC & Graduation)</option>

</select><br><br>

<button *type*="submit">Check Eligibility</button>

<div *class*="result"></div>

</form>

<script>

*document*.querySelector('form').addEventListener('submit', *function*(event) {

*event*.preventDefault();

*const* name = *document*.getElementById('name').value;

*const* sscPercentage = parseFloat(*document*.getElementById('ssc').value);

*const* hscPercentage = parseFloat(*document*.getElementById('hsc').value);

*const* graduationPercentage = parseFloat(*document*.getElementById('graduation').value);

*const* stream = *document*.querySelector('input[name="stream"]:checked');

*const* course = *document*.getElementById('course').value;

*let* message = "Congratulations, " + name + "! You are eligible for ";

if (course === "MCA") {

if (stream && *stream*.value === "Science" && hscPercentage >= 60 && graduationPercentage >= 45 && sscPercentage >=45 ) {

message += "MCA.";

} else {

message = "Sorry, " + name + ". You are not eligible for MCA.";

}

} else if (course === "Any") {

if (hscPercentage >= 45 && graduationPercentage >= 45 && sscPercentage >=45) {

message += "any course.";

} else {

message = "Sorry, " + name + ". You are not eligible for any course.";

}

}

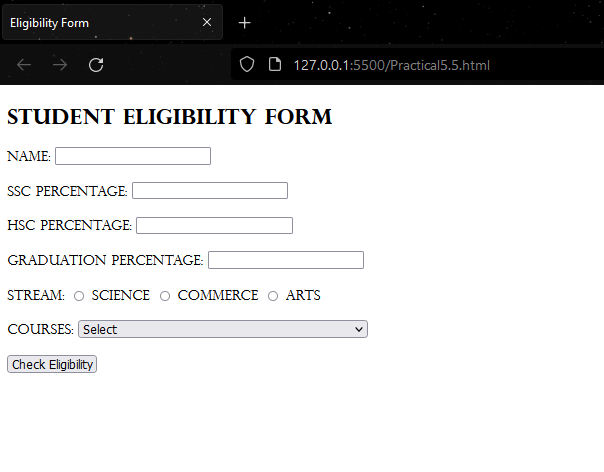
*document*.querySelector('.result').innerText = message;

});

</script>

</body>

</html>



Q14. Create a form having textboxes, radio button and check boxes and reset button. On clicking the reset button, the entire form should be reset

<!DOCTYPE *html*>

<html *lang*="en">

<head>

<meta *charset*="UTF-8">

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

<title>Form with Reset Button</title>

<style>

*.container* {

max-width: 400*px*;

margin: 50*px* auto;

text-align: left;

}

input[*type*="text"],

input[*type*="radio"],

input[*type*="checkbox"] {

margin-bottom: 10*px*;

}

input[*type*="button"] {

padding: 10*px* 20*px*;

background-color: #007bff;

color: #fff;

border: none;

cursor: pointer;

}

</style>

</head>

<body>

<div *class*="container">

<h2>Form with Reset Button</h2>

<form *id*="myForm">

<label *for*="name">Name:</label>

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

<br>

<label>Gender:</label>

<input *type*="radio" *id*="male" *name*="gender" *value*="male">

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

<input *type*="radio" *id*="female" *name*="gender" *value*="female">

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

<br>

<label>Languages:</label>

<input *type*="checkbox" *id*="english" *name*="language" *value*="english">

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

<input *type*="checkbox" *id*="spanish" *name*="language" *value*="spanish">

<label *for*="spanish">Spanish</label>

<input *type*="checkbox" *id*="french" *name*="language" *value*="french">

<label *for*="french">French</label>

<br>

<input *type*="button" *value*="Reset Form" *onclick*="resetForm()">

</form>

</div>

<script>

*function* resetForm() {

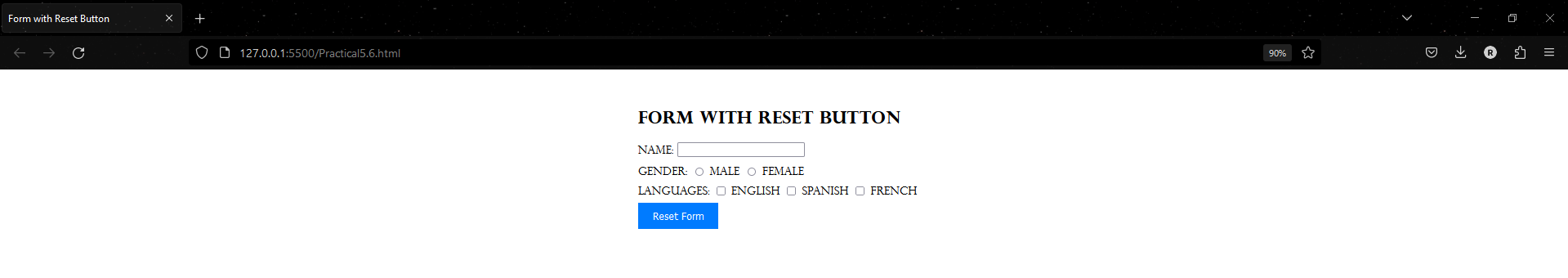
*document*.getElementById('myForm').reset();

}

</script>

</body>

</html>



Q15. Design a page for a user to create his login by accepting desired login name, password and confirm the password.

<!DOCTYPE *html*>

<html *lang*="en">

<head>

<meta *charset*="UTF-8">

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

<title>User Registration</title>

<style>

*.container* {

max-width: 300*px*;

margin: 50*px* auto;

text-align: center;

}

input[*type*="text"],

input[*type*="password"],

input[*type*="submit"] {

width: 100*%*;

margin-bottom: 10*px*;

padding: 8*px*;

box-sizing: border-box;

}

</style>

</head>

<body>

<div *class*="container">

<h2>User Registration</h2>

<form *id*="registrationForm" *onsubmit*="registerUser(event)">

<input *type*="text" *id*="username" *placeholder*="Username" *required*>

<input *type*="password" *id*="password" *placeholder*="Password" *required*>

<input *type*="password" *id*="confirmPassword" *placeholder*="Confirm Password" *required*>

<input *type*="submit" *value*="Register">

</form>

</div>

<script>

*function* registerUser(event) {

*event*.preventDefault();

*var* username = *document*.getElementById('username').value;

*var* password = *document*.getElementById('password').value;

*var* confirmPassword = *document*.getElementById('confirmPassword').value;

if (password !== confirmPassword) {

alert('Passwords do not match. Please try again.');

return;

}

alert('User registered successfully!\nUsername: ' + username + '\nPassword: ' + password);

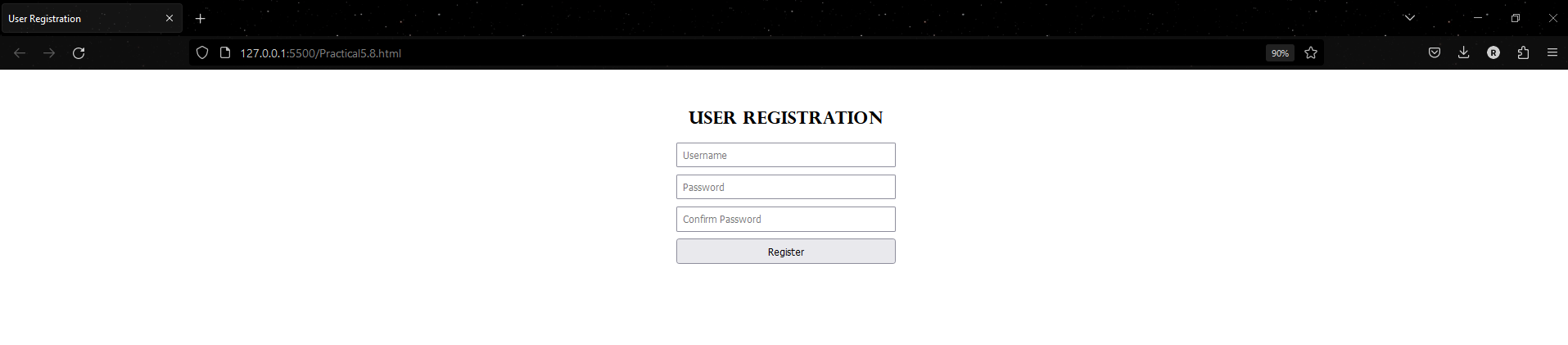
*document*.getElementById('registrationForm').reset();

}

</script>

</body>

</html>



\* \* \* \* \*