1. Design a Form for Company Registration which includes all elements of form tag. Show

appropriate Form output in compatible browser and show when user clicks on submit

button, it will display: “Form submitted successfully

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>Company Registration Form</title>

<style>

body {

font-family: Arial, sans-serif;

margin: 20px;

background-image: url("paper.gif");

background-color: #cccccc;

}

}

form {

max-width: 500px;

margin: 0 auto;

}

label {

display: block;

margin-bottom: 8px;

}

input,

select {

width: 100%;

padding: 8px;

margin-bottom: 12px;

box-sizing: border-box;

}

button {

background-color: #4caf50;

color: white;

padding: 10px 15px;

border: none;

border-radius: 4px;

cursor: pointer;

}

button:hover {

background-color: #45a049;

}

</style>

</head>

<body>

<form id="companyRegistrationForm">

<label for="companyName">Company Name:</label>

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

<label for="registrationNumber">Registration Number:</label>

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

<label for="industry">Industry:</label>

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

<option value="IT">Information Technology</option>

<option value="Finance">Finance</option>

<option value="Healthcare">Healthcare</option>

<!-- Add more options as needed -->

</select>

<label for="contactPerson">Contact Person:</label>

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

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

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

<button type="button" onclick="submitForm()">Submit</button>

</form>

<script>

function submitForm() {

// You can add form validation logic here before displaying success message

alert("Form submitted successfully");

}

</script>

</body>

</html>

2. Write a HTML Script using HTML tags and CSS features for Coffee: shop online web content.

Beautify content using coffee mag and relevant Images. Provide option for Selecting Coffee

type and Show Rate of Type of Coffee selection done.

<!-- Create an HTML script for Coffee: shop online web content utilizing HTML

tags and CSS capabilities. Use a coffee cup and relevant images to enhance the

presentation. Provide a coffee type selection option, as well as a rate for the

coffee type pick. Tables should be used whenever possible -->

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>Coffee Shop Assignment 2a</title>

<link rel="stylesheet" href="style1.css">

<style>

body {

margin: 0px;

font-family: Georgia, 'Times New Roman', Times, serif;

background-color: whitesmoke;

}

.topnav {

background-color: #8e5b44;

display: flex;

top: 0;

justify-content: space-between;

align-items: center;

padding: 10px;

width: 99.2%;

position: fixed;

}

.topnav p {

color: whitesmoke;

margin: 0;

padding: 10px 0;

padding-right: 25;

font-size: 35px;

}

.topnav a {

color: whitesmoke;

text-decoration: none;

padding: 10px 5px;

font-size: 20px;

}

.topnav a:hover {

background-color: #643d2a;

color: white;

}

.topnav a.active {

background-color: #643d2a;

}

.main\_image {

position: relative;

text-align: center;

color: whitesmoke;

}

.centered {

position: absolute;

top: 50%;

left: 20%;

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

font-size: 80px;

}

.centered\_lower {

position: absolute;

top: 55%;

left: 14%;

transform: translate(-60%, 0%);

font-size: 20px;

}

.centered\_lower\_image {

position: absolute;

top: 60%;

left: 4.5%;

transform: translate(-60%, 0%);

}

ul {

list-style: none;

}

.coffee\_list {

margin-left: 65px;

margin-bottom: 30px;

padding: 10;

border-radius: 10px;

background-color: #baada75c;

box-shadow: 0 2px 5px black;

/\* text-align: left; \*/

display: inline-block;

width: 85%;

}

.coffee\_list img {

margin-top: 20px;

float: right;

}

.coffee\_list h3 {

color: #5d3a29;

}

.coffee\_list p {

color: rgb(129, 74, 20);

}

.heading {

color: #5d3a29;

font-size: 40px;

text-align: center;

}

html {

scroll-behavior: smooth;

}

#contact {

margin: auto;

background-color: #baada75c;

padding-left: 15px;

padding: 15px;

}

.select\_coffee {

background-color: #e0dbd9;

border-radius: 10px;

margin-left: 95px;

margin-bottom: 30px;

padding: 10;

width: 85%;

box-shadow: 0 2px 5px black;

}

.select\_coffee select {

background-color: #e0dbd9;

margin-left: 800px;

margin-right: 0px;

font-size: 21px;

color: #814a14;

border: solid 0.1px #5d3a29;

}

.select\_coffee th {

font-size: 25px;

color: #5d3a29;

padding: 10px

}

</style>

</head>

<body>

<div class="main\_image">

<div class="topnav">

<p>Coffee Shop</p>

<div>

<a href="#home">Home</a>

<a href="#menu">Menu</a>

<a href="#contact">Contact</a>

<a href="#contact">About</a>

</div>

</div>

<div id=home>

<img src="coffeebeans.jpg" alt="backgroundimage" width="1394px" height="651px" margin-top=30px>

</div>

<div class="centered">Lorem ipsum</div>

<div class="centered\_lower"> Lorem ipsum dolor sit amet</div>

<div>

<a href="#contact"><img class="centered\_lower\_image" width="20" height="20"

src="https://img.icons8.com/ios/50/FFFFFF/instagram-new--v1.png" alt="instagram-new--v1" /></a>

</div>

</div>

<div id="menu">

<h3 class="heading">OUR MENU</h3>

<ul>

<li class="coffee\_list">

<a href=""><img class="img" src="espresso.png" alt="" width="90" height="90"></a>

<h3>Espresso @99/-</h3>

<p>A concentrated shot of coffee served in a small cup.</p>

</li>

<li class="coffee\_list">

<a href=""><img class="img" src="capu.png" alt="" width="90" height="90"></a>

<h3>Cappuccino @99/-</h3>

<p>Espresso with steamed milk and a layer of frothed milk on top.</p>

</li>

<li class="coffee\_list">

<a href=""><img class="img" src="latte.png" alt="" width="100" height="90"></a>

<h3>Latte @99/-</h3>

<p>Espresso with steamed milk and a small amount of frothed milk.</p>

</li>

<li class="coffee\_list">

<a href=""><img class="img" src="americano.png" alt="" width="90" height="90"></a>

<h3>Americano @99/-</h3>

<p>Espresso diluted with hot water.</p>

</li>

<li class="coffee\_list">

<a href=""><img class="img" src="mocha.png" alt="" width="90" height="90"></a>

<h3>Mocha @99/-</h3>

<p>Espresso with steamed milk, chocolate syrup, and topped with whipped cream.</p>

</li>

<li class="coffee\_list">

<a href=""><img class="img" src="Macchiato.png" alt="" width="90" height="90"></a>

<h3>Macchiato @99/-</h3>

<p>Espresso with a small amount of foamed milk.</p>

</li>

</ul>

</div>

<div id="selection" class="select\_coffee">

<table>

<tr>

<th>

Select Coffee:

</th>

<th>

<select>

<option value="0">Espresso</option>

<option value="1">Cappuccino</option>

<option value="2">Latte</option>

<option value="3">Americano</option>

<option value="4">Mocha</option>

<option value="5">Macchiato</option>

</select>

</th>

</tr>

</table>

</div>

<div id="contact">

<h3>Contact us:</h3>

<p>

Email: emailid@coffeeshop.com

</p>

<p>

Instagram: @coffeeshop

</p>

</div>

</body>

</html>

3.Write a HTML Script using HTML tags and CSS features for Car Service Centre: Beautify

Content using Different Car workshop images and Car accessories and show details of

various options for Car Servicing Packages

<!DOCTYPE html>

<html lang="en">

<head>

<title>Car Service</title>

<link rel="stylesheet" href="style1.css">

<style>

.header img {

float: left;

width: 100px;

height: 100px;

margin-top: 12px;

}

.header h1 {

position: relative;

font-family: 'Trebuchet MS', 'Lucida Sans Unicode', 'Lucida Grande', 'Lucida Sans', Arial, sans-serif;

left: 12px;

color: white;

}

.header {

background-color: #000000;

padding: 4px 8px;

}

.image {

position: absolute;

bottom: 8px;

left: 16px;

}

.des {

position: absolute;

bottom: 8px;

right: 16px;

width: 1920px;

height: 300px;

}

.tab {

margin-top: 10px;

margin-left: 250px;

border-style: outset;

border-radius: 20px;

box-shadow: 0px 2px 4px 0px rgba(50, 50, 50, 0.75);

font-family: 'Trebuchet MS', 'Lucida Sans Unicode', 'Lucida Grande', 'Lucida Sans', Arial, sans-serif;

padding-left: 15px;

padding-bottom: 12px;

}

td {

border: 1;

}

</style>

</head>

<body background="bg.jpg" style="background-size: 1500px 700px;">

<div class="header">

<img src="logo.png" alt="Car Service" style="width:50px; height: 50px;" />

<h1>CAR SERVICE</h1>

</div>

<br></br>

</br>

<table class="tab" border="0" cellspacing="0" cellpadding="8" align="center" style="width: 400px; height: 400px;">

<!-- <tr>

<td colspan="2" align="left">

</td>

</tr> -->

<tr>

<td colspan="2" align="center">

<h2>Owner and Car Details</h2>

</td>

</tr>

<tr>

<td>

<label for="username">Owner Name:</label>

</td>

<td>

<input type="text" id="username" name="username" placeholder="Enter your username">

</td>

</tr>

<tr>

<td>

<label for="username">Contact no. :</label>

</td>

<td>

<input type="text" id="username" name="username" placeholder="Enter your number">

</td>

</tr>

<tr>

<td>City</td>

<td>

<select>

<option> Pune </option>

<option> Mumbai </option>

<option> Thane </option>

<option> Goa </option>

<option> Banglore </option>

<option> Delhi </option>

</select>

</td>

</tr>

<tr>

<td>

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

</td>

<td>

<input type="email" id="username" name="username" placeholder="Enter your email">

</td>

</tr>

<tr>

<td>

<label for="username">Car type:</label>

<td>

<input type="radio" name="gender" value="Public">Sedan

<input type="radio" name="gender" value="Public">Hatchback

<input type="radio" name="gender" value="Public">SUV

</td>

</tr>

<tr>

<td>

<label for="password">Car no.:</label>

</td>

<td>

<input type="text" id="password" name="number" placeholder="eg- MH 12 FA 1234">

</td>

</tr>

<tr>

<td colspan="2" align="center" style="padding-top: 20px;">

<input type="submit" value="Sign Up">

</td>

</tr>

</table>

</body>

</html>

4. Write a HTML Script using HTML tags and CSS features for Flower Shop: Using CSS Selectors

and Beautification Options show Output with various types of flower images and available

stock of flowers in floweriest shop

<html lang="en">

<head>

<meta charset="UTF-8">

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

<link rel="stylesheet" href="style.css">

<title>Assignment 2b - Flower Shop</title>

<style>

\* {

box-sizing: border-box;

margin: 0;

padding: 0;

}

body {

font-family: Georgia, 'Times New Roman', Times, serif;

background-color: #ebfffd;

}

.navbar {

display: flex;

background-color: #ebfffd;

margin-top: 15px;

/\* padding: 25px; \*/

align-items: center;

/\* justify-content: center; \*/

box-shadow: 0 2px 5px black;

width: 100%;

border-radius: 50px;

}

.navbar .logo {

text-align: left;

padding-top: 20px;

padding-bottom: 20px;

padding-left: 20px;

color: #4c5b59;

font-weight: bold;

font-size: 20px;

}

.navbar .bartext {

/\* flex: 1; \*/

padding-left: 450;

}

.navbar a {

text-decoration: none;

padding: 5px;

color: black;

}

.loginbutton {

background-color: #4c5b59;

color: white;

padding: 10px 15px;

border: none;

border-radius: 5px;

cursor: pointer;

margin-left: 500px;

}

.menucontainer {

margin-left: 100px;

margin-right: 100px;

margin-top: 0px;

/\* border: 5px solid #4c5b59;

border-radius: 2px; \*/

text-align: center;

}

table {

max-width: 55px;

max-height: 65px;

width: 100%;

margin: 0 auto;

text-align: center;

border-spacing: 20px;

}

td {

padding: 5px;

border: 2px solid #4c5b59;

border-radius: 5px;

cursor: pointer;

}

.menu {

margin-top: 50px;

margin-bottom: 40px;

font-size: 35px;

color: #4c5b59;

text-decoration: underline;

}

.menu:hover {

cursor: pointer;

}

.flowerbutton {

background-color: #4c5b59;

color: rgb(255, 255, 255);

padding: 10px 15px;

border: none;

border-radius: 5px;

cursor: pointer;

margin-top: 8px;

font-size: 18px;

}

.zoom img {

transition: 0.3s all ease-in-out;

}

.zoom:hover img {

transform: scale(1.09);

}

#contact {

margin-top: 50px;

background-color: #4c5b59;

padding-left: 15px;

padding: 15px;

color: white;

text-align: center;

padding: 25px;

}

</style>

</head>

<body>

<div class="navbar">

<p class="logo">Flower Shop</p>

<div class="bartext">

<a href="#home">Home</a>

<a href="#contact">Contact</a>

<a href="#category">Category</a>

</div>

<button class="loginbutton" type="submit">Sign in</button>

</div>

<center>

<h3 class='menu' id='category'>Our Menu</h3>

</center>

<div class="menucontainer">

<table>

<tr>

<td>

<div class="zoom">

<img src="Daisy.png" alt="" width="250">

</div>

<button class="flowerbutton" type="button">Daisy @99/-</button>

<!-- Daisy -->

</td>

<td>

<div class="zoom">

<img src="Rose.png" alt="" width="250">

</div>

<button class="flowerbutton" type="button">Rose @99/-</button>

<!-- Rose -->

</td>

<td>

<div class="zoom">

<img src="Sunflower.png" alt="" width="250">

</div>

<button class="flowerbutton" type="button">Sun Flower @99/-</button>

<!-- Sunflower -->

</td>

</tr>

<tr>

<td>

<div class="zoom">

<img src="orchid.png" alt="" width="250">

</div>

<button class="flowerbutton" type="button">Orchid @99/-</button>

<!-- Orchid -->

</td>

<td>

<div class="zoom">

<img src="poppy.png" alt="" width="250">

</div>

<button class="flowerbutton" type="button">Poppy @99/-</button>

<!-- oppy -->

</td>

<td>

<div class="zoom">

<img src="tulip.png" alt="" width="250">

</div>

<button class="flowerbutton" type="button">Tulip @99/-</button>

<!-- Tulip -->

</td>

</tr>

</table>

</div>

<div id="contact">

<h3>Contact us:</h3>

<p>

Email: emailid@flowereshop.com

</p>

<p>

Instagram: @flowershop

</p>

</div>

</body>

</html>

5. Write a Java Script to accept Two Numbers from User and Print their Addition, Subtraction,

Multiplication and Division. Make Use of Prompt function and display result on Browser’s

Screen

<!DOCTYPE html>

<html>

<head>

<title>Simple Calculator</title>

</head>

<body>

<script>

// Prompt the user for the first number

var num1 = prompt("Enter the first number:");

// Prompt the user for the second number

var num2 = prompt("Enter the second number:");

// Convert the input strings to numbers

num1 = parseFloat(num1);

num2 = parseFloat(num2);

// Check if the input is valid

//The isNaN function stands for "is Not a Number." It returns true if the argument is NaN (not a number) and false otherwise.

if (isNaN(num1) || isNaN(num2)) {

document.write("Invalid input. Please enter valid numbers.");

} else {

// Perform the operations

var addition = num1 + num2;

var subtraction = num1 - num2;

var multiplication = num1 \* num2;

var division = num1 / num2;

// Display the results on the browser's screen

document.write("Addition: " + addition + "<br>");

document.write("Subtraction: " + subtraction + "<br>");

document.write("Multiplication: " + multiplication + "<br>");

document.write("Division: " + division + "<br>");

}

</script>

</body>

</html>

6.

1.] Write a Java Script to Accept 3 Number from user using Prompt function and show result

as Largest of three on browser’s screen

<!DOCTYPE html>

<html>

<head>

<title>Largest of Three Numbers</title>

</head>

<body>

<script>

// Prompt the user for three numbers

var num1 = prompt("Enter the first number:");

var num2 = prompt("Enter the second number:");

var num3 = prompt("Enter the third number:");

// Convert the input strings to numbers

num1 = parseFloat(num1);

num2 = parseFloat(num2);

num3 = parseFloat(num3);

// Check if the input is valid

if (isNaN(num1) || isNaN(num2) || isNaN(num3)) {

document.write("Invalid input. Please enter valid numbers.");

} else {

// Find the largest of the three numbers

var largest = Math.max(num1, num2, num3);

// Display the result on the browser's screen

document.write("The largest of the three numbers is: " + largest);

}

</script>

</body>

</html>

2]2.] Write a Java Script to display sum of integers for entered numbers on browsers screen (e.

g. if users input 10 then result will be 0+1+2+3+4+5+6+7+8+9+10=55

<!DOCTYPE html>

<html>

<head>

<title>Sum of Integers</title>

</head>

<body>

<script>

// Prompt the user for a number

var userInput = prompt("Enter a number:");

// Convert the input string to a number

var num = parseInt(userInput);

// Check if the input is valid

if (isNaN(num)) {

document.write("Invalid input. Please enter a valid number.");

} else {

// Calculate the sum of integers from 0 to num

var sum = 0;

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

sum += i;

}

// Display the result on the browser's screen

document.write("The sum of integers from 0 to " + num + " is: " + sum);

}

</script>

</body>

</html>

7. Write a Java Script to Display Entered Array on Browsers Screen. perform Following

operation and show updated content

a. 1. Display Entered Array

b. 2. Display Entered array in Ascending order

c. 3. Push element 25

d. 4. Display Updated Array

e. 5. Print Length of Array

f. 6. Show Element at Position No 3

<!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 Operations</title>

</head>

<body>

<script>

// Function to prompt the user for an array

function getArrayFromUser() {

let inputArray = prompt("Enter elements of the array separated by commas (e.g., 10, 5, 8, 15, 20):");

return inputArray.split(',').map(Number);

}

// Initialize an array by taking input from the user

let myArray = getArrayFromUser();

// Function to display the array

function displayArray() {

document.write("a. Entered Array: " + myArray.join(", ") + "<br>");

}

// Function to display the array in ascending order

function displayAscendingOrder() {

document.write("b. Array in Ascending Order: " + myArray.slice().sort((a, b) => a - b).join(", ") + "<br>");

}

// Function to push element 25

function pushElement() {

myArray.push(25);

document.write("c. Element 25 pushed to the array.<br>");

}

// Function to display the updated array

function displayUpdatedArray() {

document.write("d. Updated Array: " + myArray.join(", ") + "<br>");

}

// Function to print the length of the array

function printArrayLength() {

document.write("e. Length of the Array: " + myArray.length + "<br>");

}

// Function to show the element at position 3

function showElementAtPosition3() {

document.write("f. Element at Position 3: " + myArray[2] + "<br>");

}

// Perform the operations and display the results

displayArray();

displayAscendingOrder();

pushElement();

displayUpdatedArray();

printArrayLength();

showElementAtPosition3();

</script>

</body>

</html>

8. . Write a Java Script to display Multiplication table of entered values of rows and columns as

follows

<!DOCTYPE html>

<html>

<head>

<title>Multiplication Table</title>

<style>

table {

border-collapse: collapse;

width: 50%;

margin: 20px;

}

table,

th,

td {

border: 1px solid black;

}

th,

td {

padding: 10px;

text-align: center;

}

</style>

</head>

<body>

<h2>Enter the number of rows and columns:</h2>

<label for="rows">Rows:</label>

<input type="number" id="rows" name="rows" min="1" value="5">

<label for="columns">Columns:</label>

<input type="number" id="columns" name="columns" min="1" value="5">

<button onclick="generateTable()">Generate Table</button>

<h2>Multiplication Table</h2>

<div id="tableContainer"></div>

<script>

function generateTable() {

// Get the values of rows and columns

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

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

// Create the table element

var table = document.createElement("table");

// Create table header row

var headerRow = document.createElement("tr");

for (var i = 1; i <= columns; i++) {

var th = document.createElement("th");

th.textContent = i;

headerRow.appendChild(th);

}

table.appendChild(headerRow);

// Create table content

for (var i = 1; i <= rows; i++) {

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

for (var j = 1; j <= columns; j++) {

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

cell.textContent = i \* j;

row.appendChild(cell);

}

table.appendChild(row);

}

// Display the table

var tableContainer = document.getElementById("tableContainer");

tableContainer.innerHTML = "";

tableContainer.appendChild(table);

}

</script>

</body>

</html>

9.Write a JavaScript Code to take color value from user and apply color to background. Use of

Div tag is mandatory

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>Change Background Color</title>

<style>

#colorDiv {

width: 200px;

height: 200px;

margin: 20px;

border: 2px solid #000;

}

</style>

</head>

<body>

<label for="colorInput">Enter a color:</label>

<input type="color" id="colorInput">

<button onclick="changeColor()">Change Color</button>

<div id="colorDiv"></div>

<script>

function changeColor() {

// Get the color value from the input

var colorValue = document.getElementById('colorInput').value;

// Apply the color to the background of the div

document.getElementById('colorDiv').style.backgroundColor = colorValue;

}

</script>

</body>

</html>

10.

Write a JavaScript function that checks whether a Entered string is palindrome or not?

(Make use of Prompt function to take input)

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>Palindrome Checker</title>

<script>

function isPalindrome(str) {

// Remove non-alphanumeric characters and convert to lowercase

const cleanStr = str.replace(/[^A-Za-z0-9]/g, '').toLowerCase();

// Compare the original string with its reverse

return cleanStr === cleanStr.split('').reverse().join('');

}

function checkPalindrome() {

// Use prompt to get user input

const userInput = prompt("Enter a string:");

// Check if the entered string is a palindrome

if (userInput !== null) {

if (isPalindrome(userInput)) {

alert(`${userInput} is a palindrome.`);

} else {

alert(`${userInput} is not a palindrome.`);

}

}

}

</script>

</head>

<body>

<h1>Palindrome Checker</h1>

<p>Enter a string to check if it is a palindrome:</p>

<button onclick="checkPalindrome()">Check Palindrome</button>

</body>

</html>

11.A) Write a JavaScript function to add rows to a table

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>Add Rows to Table</title>

</head>

<body>

<table id="myTable" border="1">

<tr>

<th>Name</th>

<th>Email</th>

</tr>

</table>

<script>

function addRow() {

// Get input from the user

var name = prompt("Enter name:");

var email = prompt("Enter email:");

// Get the table reference

var table = document.getElementById("myTable");

// Insert a new row at the end of the table

var newRow = table.insertRow(-1);

// Insert cells into the new row

var cell1 = newRow.insertCell(0);

var cell2 = newRow.insertCell(1);

// Set the innerHTML of cells with user input

cell1.innerHTML = name;

cell2.innerHTML = email;

}

</script>

<button onclick="addRow()">Add Row</button>

</body>

</html>

B) Write a JavaScript program to find the area of a triangle where lengths of the three of its

sides are 5, 6, 7

<!-- B) Write a JavaScript program to find the area of a triangle where lengths of the three of its sides are 5, 6, 7. -->

<!DOCTYPE html>

<html>

<head>

<title>Triangle Area Calculation</title>

</head>

<body>

<script>

// Function to calculate the area of a triangle given its side lengths

function calculateTriangleArea(side1, side2, side3) {

// Using Heron's formula to calculate the area

var s = (side1 + side2 + side3) / 2;

var area = Math.sqrt(s \* (s - side1) \* (s - side2) \* (s - side3));

return area;

}

// Given side lengths of the triangle

var side1 = 5;

var side2 = 6;

var side3 = 7;

// Calculate and display the area

var triangleArea = calculateTriangleArea(side1, side2, side3);

document.write("The area of the triangle is: " + triangleArea);

</script>

</body>

</html>

12. Write a PHP script for numeric, associative and multidimensional array and perform all

sorting functions on it.

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>Numeric, associative and multidimensional array using foreach loop in PHP</title>

</head>

<body>

<?php

echo "<h3>Number Array</h3>";

$number\_array = [1, 5, 3, 4, 2, 7, 6];

sort($number\_array); // Sorting in ascending order

foreach ($number\_array as $num) {

echo "$num <br>";

}

echo "<h3>Associative Array</h3>";

$associative\_array = ["Name" => "ABC", "Age" => "20", "City" => "Mumbai"];

ksort($associative\_array); // Sorting associative array based on keys in ascending order

foreach ($associative\_array as $a => $a\_value) {

echo "$a: $a\_value<br>";

}

echo "<h3>Multidimensional Array</h3>";

$multidimensionalArray = array(

array("name" => "Alice", "age" => 25),

array("name" => "Bob", "age" => 35),

array("name" => "Charlie", "age" => 30)

);

// Sorting multidimensional array based on 'age' key in ascending order

usort($multidimensionalArray, function ($a, $b) {

return $a["age"] - $b["age"];

});

foreach ($multidimensionalArray as $person) {

echo "Name: " . $person["name"] . ", Age: " . $person["age"] . "<br>";

}

?>

</body>

</html>

13.Design a company registration form having the following fields = [companyID,

companyName, Location, Department]. Write a PHP script to display all the registered

companies and provide a search bar for searching the companies located in a specific city.

<!DOCTYPE html>

<html>

<head>

<title>Company Registration Form</title>

</head>

<body>

<h2>Company Registration Form</h2>

<form method="post" action="">

Company ID: <input type="text" name="companyID" required><br>

Company Name: <input type="text" name="companyName" required><br>

Location: <input type="text" name="location" required><br>

Department: <input type="text" name="department" required><br>

<input type="submit" name="submit" value="Register Company">

</form>

<?php

session\_start();

// Check if the form is submitted

if (isset($\_POST['submit'])) {

// Get form data

$companyID = $\_POST['companyID'];

$companyName = $\_POST['companyName'];

$location = $\_POST['location'];

$department = $\_POST['department'];

// Store the form data in the session (you might want to use a database in a real-world scenario)

$\_SESSION['registeredCompanies'][] = array(

'companyID' => $companyID,

'companyName' => $companyName,

'location' => $location,

'department' => $department

);

}

// Display all registered companies

echo "<h2>Registered Companies</h2>";

if (isset($\_SESSION['registeredCompanies'])) {

echo "<table border='1'>";

echo "<tr><th>Company ID</th><th>Company Name</th><th>Location</th><th>Department</th></tr>";

foreach ($\_SESSION['registeredCompanies'] as $company) {

echo "<tr>";

echo "<td>{$company['companyID']}</td>";

echo "<td>{$company['companyName']}</td>";

echo "<td>{$company['location']}</td>";

echo "<td>{$company['department']}</td>";

echo "</tr>";

}

echo "</table>";

}

// Search bar for companies located in a specific city

echo "<h2>Search Companies by Name</h2>";

echo "<form method='get' action=''>";

echo "Search by Company Name: <input type='text' name='searchCompanyName'>";

echo "<input type='submit' name='search' value='Search'>";

echo "</form>";

if (isset($\_GET['search']) && isset($\_GET['searchCompanyName'])) {

$searchCompanyName = $\_GET['searchCompanyName'];

echo "<h3>Companies with the name '$searchCompanyName':</h3>";

if (isset($\_SESSION['registeredCompanies'])) {

foreach ($\_SESSION['registeredCompanies'] as $company) {

if (strcasecmp($company['companyName'], $searchCompanyName) === 0) {

echo "{$company['companyName']} ({$company['location']})<br>";

}

}

}

}

?>

</body>

</html>

14.

Design a company registration form having the following fields = [companyID,

companyName, Location, Department, RegistrationDate].

Write a PHP script to display the company details registered before 18th May 2023

<?php

session\_start();

// Check if the form is submitted

if (isset($\_POST['submit'])) {

// Get form data

$companyID = $\_POST['companyID'];

$companyName = $\_POST['companyName'];

$location = $\_POST['location'];

$department = $\_POST['department'];

$registrationDate = $\_POST['registrationDate'];

// Store the form data in the session

$\_SESSION['registeredCompanies'][] = array(

'companyID' => $companyID,

'companyName' => $companyName,

'location' => $location,

'department' => $department,

'registrationDate' => $registrationDate

);

}

?>

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>Company Registration Form</title>

</head>

<body>

<h2>Company Registration Form</h2>

<form method="post" action="">

Company ID: <input type="text" name="companyID" required><br>

Company Name: <input type="text" name="companyName" required><br>

Location: <input type="text" name="location" required><br>

Department: <input type="text" name="department" required><br>

Registration Date: <input type="date" name="registrationDate" required><br>

<input type="submit" name="submit" value="Register Company">

</form>

<?php

// Display all registered companies

echo "<h2>Registered Companies</h2>";

if (isset($\_SESSION['registeredCompanies'])) {

echo "<table border='1'>";

echo "<tr><th>Company ID</th><th>Company Name</th><th>Location</th><th>Department</th><th>Registration Date</th></tr>";

foreach ($\_SESSION['registeredCompanies'] as $company) {

echo "<tr>";

echo "<td>{$company['companyID']}</td>";

echo "<td>{$company['companyName']}</td>";

echo "<td>{$company['location']}</td>";

echo "<td>{$company['department']}</td>";

echo "<td>{$company['registrationDate']}</td>";

echo "</tr>";

}

echo "</table>";

}

// Filter and display companies registered before 18th May 2023

echo "<h2>Companies Registered Before 18th May 2023</h2>";

if (isset($\_SESSION['registeredCompanies'])) {

echo "<table border='1'>";

echo "<tr><th>Company ID</th><th>Company Name</th><th>Location</th><th>Department</th><th>Registration Date</th></tr>";

foreach ($\_SESSION['registeredCompanies'] as $company) {

// Compare registration date with 18th May 2023

if (strtotime($company['registrationDate']) < strtotime('2023-05-18')) {

echo "<tr>";

echo "<td>{$company['companyID']}</td>";

echo "<td>{$company['companyName']}</td>";

echo "<td>{$company['location']}</td>";

echo "<td>{$company['department']}</td>";

echo "<td>{$company['registrationDate']}</td>";

echo "</tr>";

}

}

echo "</table>";

}

?>

</body>

</html>

15.Design students admission form having the following fields

=[studentID,studentName,emailID,12thGrade,JEEScore] Write a PHP script to display top 5

students based on JEEScore.

<!-- Design students admission form having the following fields =[studentID,studentName,emailID,12thGrade,JEEScore] Write a PHP script to display top 5 students based on JEEScore. -->

<?php

session\_start();

// Check if the form is submitted

if (isset($\_POST['submit'])) {

// Get form data

$studentID = $\_POST['studentID'];

$studentName = $\_POST['studentName'];

$emailID = $\_POST['emailID'];

$grade12 = $\_POST['12thGrade'];

$jeeScore = $\_POST['JEEScore'];

// Store the form data in the session

$\_SESSION['studentData'][] = array(

'studentID' => $studentID,

'studentName' => $studentName,

'emailID' => $emailID,

'12thGrade' => $grade12,

'JEEScore' => $jeeScore

);

}

// Display the admission form

echo "<h2>Student Admission Form</h2>";

echo "<form method='post' action=''>";

echo "Student ID: <input type='text' name='studentID' required><br>";

echo "Student Name: <input type='text' name='studentName' required><br>";

echo "Email ID: <input type='email' name='emailID' required><br>";

echo "12th Grade: <input type='text' name='12thGrade' required><br>";

echo "JEE Score: <input type='text' name='JEEScore' required><br>";

echo "<input type='submit' name='submit' value='Submit'>";

echo "</form>";

// Display top 5 students based on JEE score

echo "<h2>Top 5 Students Based on JEE Score</h2>";

if (isset($\_SESSION['studentData'])) {

// Sort students based on JEE score in descending order

usort($\_SESSION['studentData'], function ($a, $b) {

return $b['JEEScore'] - $a['JEEScore'];

});

echo "<table border='1'>";

echo "<tr><th>Student ID</th><th>Student Name</th><th>Email ID</th><th>12th Grade</th><th>JEE Score</th></tr>";

// Display top 5 students

for ($i = 0; $i < min(5, count($\_SESSION['studentData'])); $i++) {

$student = $\_SESSION['studentData'][$i];

echo "<tr>";

echo "<td>{$student['studentID']}</td>";

echo "<td>{$student['studentName']}</td>";

echo "<td>{$student['emailID']}</td>";

echo "<td>{$student['12thGrade']}</td>";

echo "<td>{$student['JEEScore']}</td>";

echo "</tr>";

}

echo "</table>";

}

// The `usort` function is used to sort an array. In this case, it's sorting the 'studentData' array stored in the session.

// The sorting is done based on the JEE score, and the function used for comparison subtracts the JEE score of student B from the JEE score of student A.

// If the result is positive, it means student A has a higher JEE score and should come before student B in the sorted array.

// If the result is negative, it means student B has a higher JEE score and should come before student A in the sorted array.

// If the result is zero, it means both students have the same JEE score, and their order in the array remains unchanged.

// In summary, the array is sorted in descending order based on JEE score.

// The sorting function is an anonymous function defined using the `function ($a, $b)` syntax.

// The function receives two elements from the array (representing two students), and it returns a value indicating their relative order.

// The `return $b['JEEScore'] - $a['JEEScore'];` line specifies the comparison based on JEE score.

// After this sorting operation, the 'studentData' array is modified in place to be in descending order based on JEE score.

?>

16.Create the database table with the entries mentioned: [rollNo, studName, studDept,

passingYear, classGrades] Grades should be either {First Class, Second Class, Pass} Design the

UI as given below and show the appropriate result through PHP script

INDEX

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<title>Student Search</title>

<style>

body {

font-family: Arial, sans-serif;

}

h2 {

color: #333;

}

form {

margin-bottom: 20px;

}

label {

font-weight: bold;

}

select,

input[type="radio"],

input[type="submit"] {

margin-bottom: 10px;

}

table {

border-collapse: collapse;

width: 100%;

margin-top: 20px;

}

th,

td {

border: 1px solid #333;

padding: 12px;

text-align: left;

}

th {

background-color: #f2f2f2;

font-weight: bold;

}

tr:nth-child(even) {

background-color: #f2f2f2;

}

tr:hover {

background-color: #ddd;

}

</style>

</head>

<body>

<h2>Search Students</h2>

<form action="process.php" method="post">

<label for="year">Select Year:</label>

<select name="year" id="year">

<!-- Options for years, populate these dynamically from the database -->

<option value="2021">2021</option>

<option value="2022">2022</option>

<option value="2023">2023</option>

</select>

<br><br>

<label>Select Class:</label>

<input type="radio" name="class" value="First Class">First Class

<input type="radio" name="class" value="Second Class">Second Class

<input type="radio" name="class" value="all">All

<br><br>

<input type="submit" value="Search">

</form>

</body>

</html>

PROCESS.PHP

<style>

body {

font-family: Arial, sans-serif;

}

h2 {

color: #333;

}

form {

margin-bottom: 20px;

}

label {

font-weight: bold;

}

select,

input[type="radio"],

input[type="submit"] {

margin-bottom: 10px;

}

table {

border-collapse: collapse;

width: 100%;

margin-top: 20px;

}

th,

td {

border: 1px solid #333;

padding: 12px;

text-align: left;

}

th {

background-color: #f2f2f2;

font-weight: bold;

}

tr:nth-child(even) {

background-color: #f2f2f2;

}

tr:hover {

background-color: #ddd;

}

</style>

<?php

// Establish a database connection (assuming you have db credentials defined)

$servername = "localhost";

$username = "root";

$password = "root";

$database = "mydb";

$conn = new mysqli($servername, $username, $password, $database);

// Check connection

if ($conn->connect\_error) {

die("Connection failed: " . $conn->connect\_error);

}

// Retrieve user inputs from the form

$year = $\_POST['year'];

$class = $\_POST['class'];

// Construct SQL query based on user selections

if ($class === 'all') {

$sql = "SELECT \* FROM students WHERE passingYear = $year";

} else {

$sql = "SELECT \* FROM students WHERE passingYear = $year AND classGrades = '$class'";

}

// Execute the query

$result = $conn->query($sql);

// Display the results

if ($result->num\_rows > 0) {

echo "<h2>Search Results:</h2>";

echo "<table border='1'><tr><th>Roll No</th><th>Student Name</th><th>Department</th><th>Passing Year</th><th>Class Grade</th></tr>";

while ($row = $result->fetch\_assoc()) {

echo "<tr><td>{$row['rollNo']}</td><td>{$row['studName']}</td><td>{$row['studDept']}</td><td>{$row['passingYear']}</td><td>{$row['classGrades']}</td></tr>";

}

echo "</table>";

} else {

echo "No results found.";

}

// Close the database connection

$conn->close();

?>

SQL

CREATE TABLE students (

rollNo INT PRIMARY KEY,

studName VARCHAR(255),

studDept VARCHAR(255),

passingYear INT,

classGrades VARCHAR(50)

);

INSERT INTO students (rollNo, studName, studDept, passingYear, classGrades) VALUES

(1, 'Alice Johnson', 'Computer Science', 2021, 'First Class'),

(2, 'Bob Smith', 'Engineering', 2022, 'Second Class'),

(3, 'Charlie Brown', 'Physics', 2023, 'Pass'),

(4, 'David Lee', 'Mathematics', 2022, 'First Class'),

(5, 'Eva Davis', 'Chemistry', 2021, 'Second Class'),

(6, 'Frank White', 'Biology', 2023, 'Pass');

17.Develop a system to keep a record of student-mentor meetings. Student\_Mentor =

[studRollNo, studClass, studName, studContact, MentorName, issuesDiscussed]

Perform the following operations:

a. Insert the record;

b. Display the records only if the student is absent

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>Student-Mentor Record System</title>

</head>

<body>

<h1>Student-Mentor Record System</h1>

<!-- Insert Record Form -->

<form method="post" action="<?php echo $\_SERVER['PHP\_SELF']; ?>">

<label for="studRollNo">Roll No:</label>

<input type="text" name="studRollNo" required><br>

<label for="studClass">Class:</label>

<input type="text" name="studClass" required><br>

<label for="studName">Name:</label>

<input type="text" name="studName" required><br>

<label for="studContact">Contact:</label>

<input type="text" name="studContact" required><br>

<label for="MentorName">Mentor Name:</label>

<input type="text" name="MentorName" required><br>

<label for="issuesDiscussed">Issues Discussed:</label>

<input type="text" name="issuesDiscussed" required><br>

<input type="submit" value="Insert Record">

</form>

<?php

// Check if the form is submitted

if ($\_SERVER["REQUEST\_METHOD"] == "POST") {

$servername = "localhost";

$username = "root";

$password = "root";

$dbname = "mydb";

// Establish a connection to the database

$conn = new mysqli($servername, $username, $password, $dbname);

// Check the connection

if ($conn->connect\_error) {

die("Connection failed: " . $conn->connect\_error);

}

// Prepare and bind the SQL statement

$sql = "INSERT INTO student\_mentor\_records (studRollNo, studClass, studName, studContact, MentorName, issuesDiscussed) VALUES (?, ?, ?, ?, ?, ?)";

$stmt = $conn->prepare($sql);

$stmt->bind\_param("ssssss", $studRollNo, $studClass, $studName, $studContact, $MentorName, $issuesDiscussed);

// Set parameters from the form data

$studRollNo = $\_POST['studRollNo'];

$studClass = $\_POST['studClass'];

$studName = $\_POST['studName'];

$studContact = $\_POST['studContact'];

$MentorName = $\_POST['MentorName'];

$issuesDiscussed = $\_POST['issuesDiscussed'];

// Execute the statement

if ($stmt->execute()) {

echo "Record inserted successfully";

} else {

echo "Error: " . $stmt->error;

}

// Close the statement and connection

$stmt->close();

$conn->close();

}

?>

<hr>

<!-- Display Records for Absent Students -->

<h2>Records for Absent Students</h2>

<?php

$servername = "localhost";

$username = "root";

$password = "root";

$dbname = "mydb";

// Establish a connection to the database

$conn = new mysqli($servername, $username, $password, $dbname);

// Check the connection

if ($conn->connect\_error) {

die("Connection failed: " . $conn->connect\_error);

}

// Display records for absent students

$sqlAbsent = "SELECT \* FROM student\_mentor\_records WHERE issuesDiscussed = 'absent'";

$resultAbsent = $conn->query($sqlAbsent);

if (!$resultAbsent) {

die("Query failed: " . $conn->error);

}

if ($resultAbsent->num\_rows > 0) {

// Output data of each row

while($row = $resultAbsent->fetch\_assoc()) {

echo "Roll No: " . $row["studRollNo"]. " - Name: " . $row["studName"]. " - Class: " . $row["studClass"]. "<br>";

}

} else {

echo "No records found for absent students";

}

$conn->close();

?>

<hr>

<!-- Display All Records -->

<h2>All Records</h2>

<?php

// Establish a connection to the database

$conn = new mysqli($servername, $username, $password, $dbname);

// Check the connection

if ($conn->connect\_error) {

die("Connection failed: " . $conn->connect\_error);

}

// Display all records

$sqlAll = "SELECT \* FROM student\_mentor\_records";

$resultAll = $conn->query($sqlAll);

if (!$resultAll) {

die("Query failed: " . $conn->error);

}

if ($resultAll->num\_rows > 0) {

// Output data of each row

while($row = $resultAll->fetch\_assoc()) {

echo "Roll No: " . $row["studRollNo"]. " - Name: " . $row["studName"]. " - Class: " . $row["studClass"]. "<br>";

}

} else {

echo "No records found";

}

$conn->close();

?>

</body>

</html>

<!-- SQL -->

<!-- use mydb;

CREATE TABLE student\_mentor\_records (

id INT AUTO\_INCREMENT PRIMARY KEY,

studRollNo VARCHAR(10) NOT NULL,

studClass VARCHAR(10) NOT NULL,

studName VARCHAR(50) NOT NULL,

studContact VARCHAR(20) NOT NULL,

MentorName VARCHAR(50) NOT NULL,

issuesDiscussed VARCHAR(100) NOT NULL

); -->

18. Develop a sports registration form having the following fields = [playerID, playerName,

gameGenre, score].

Write a PHP script to display players with the highest score in cricket.

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>Sports Registration</title>

</head>

<body>

<?php

// Connection parameters

$servername = "localhost";

$username = "root";

$password = "root";

$dbname = "mydb";

// Create connection

$conn = new mysqli($servername, $username, $password, $dbname);

// Check connection

if ($conn->connect\_error) {

die("Connection failed: " . $conn->connect\_error);

}

// Handle form submission

if ($\_SERVER["REQUEST\_METHOD"] == "POST") {

// Assuming you have a form with fields playerID, playerName, gameGenre, and score

$playerName = $\_POST["playerName"];

$gameGenre = $\_POST["gameGenre"];

$score = $\_POST["score"];

// Insert data into the players table

$sql = "INSERT INTO players (playerName, gameGenre, score) VALUES ('$playerName', '$gameGenre', '$score')";

if ($conn->query($sql) === TRUE) {

echo "<p>Player registered successfully!</p>";

} else {

echo "<p>Error: " . $sql . "<br>" . $conn->error . "</p>";

}

}

// Display all records

echo "<h2>All Records</h2>";

$sql\_all\_records = "SELECT \* FROM players";

$result\_all\_records = $conn->query($sql\_all\_records);

if ($result\_all\_records->num\_rows > 0) {

echo "<table border='1'><tr><th>Player ID</th><th>Player Name</th><th>Game Genre</th><th>Score</th></tr>";

// Output data of each row

while ($row = $result\_all\_records->fetch\_assoc()) {

echo "<tr><td>" . $row["playerID"] . "</td><td>" . $row["playerName"] . "</td><td>" . $row["gameGenre"] . "</td><td>" . $row["score"] . "</td></tr>";

}

echo "</table>";

} else {

echo "<p>No records found.</p>";

}

// Display player with the highest score in cricket

echo "<h2>Highest Score in Cricket</h2>";

$sql\_high\_score = "SELECT playerName, score FROM players WHERE gameGenre = 'cricket' ORDER BY score DESC LIMIT 1";

$result\_high\_score = $conn->query($sql\_high\_score);

if ($result\_high\_score->num\_rows > 0) {

// Output data of the player with the highest score in cricket

while ($row = $result\_high\_score->fetch\_assoc()) {

echo "<p>Player with the highest score in cricket: " . $row["playerName"] . " (Score: " . $row["score"] . ")</p>";

}

} else {

echo "<p>No players registered for cricket yet.</p>";

}

// Close the connection

$conn->close();

?>

<h2>Sports Registration Form</h2>

<form action="<?php echo $\_SERVER['PHP\_SELF']; ?>" method="post">

<label for="playerName">Player Name:</label>

<input type="text" name="playerName" required><br>

<label for="gameGenre">Game Genre:</label>

<input type="text" name="gameGenre" required><br>

<label for="score">Score:</label>

<input type="number" name="score" required><br>

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

</form>

</body>

</html>

SQL

CREATE TABLE IF NOT EXISTS players (

playerID INT AUTO\_INCREMENT PRIMARY KEY,

playerName VARCHAR(255) NOT NULL,

gameGenre VARCHAR(50) NOT NULL,

score INT NOT NULL

);

19. Design students admission form having the following fields

=[studentID,studentName,emailID,12thGrade,JEEScore, Department]

Write a PHP script to display top 5 students based on JEEScore enrolled to CSE department.

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>Student Admission Form</title>

<style>

table {

border-collapse: collapse;

width: 100%;

}

th,

td {

border: 1px solid #dddddd;

text-align: left;

padding: 8px;

}

th {

background-color: #f2f2f2;

}

</style>

</head>

<body>

<h2>Student Admission Form</h2>

<form method="post" action="">

Student ID: <input type="text" name="studentID" required><br>

Student Name: <input type="text" name="studentName" required><br>

Email ID: <input type="email" name="emailID" required><br>

12th Grade: <input type="text" name="12thGrade" required><br>

JEEScore: <input type="number" name="jeescore" required><br>

Department: <input type="text" name="department" required><br>

<input type="submit" value="Submit">

</form>

<?php

if ($\_SERVER["REQUEST\_METHOD"] == "POST") {

$studentID = $\_POST["studentID"];

$studentName = $\_POST["studentName"];

$emailID = $\_POST["emailID"];

$grade12 = $\_POST["12thGrade"];

$jeescore = $\_POST["jeescore"];

$department = $\_POST["department"];

$servername = "your\_database\_server";

$username = "your\_username";

$password = "your\_password";

$dbname = "your\_database\_name";

// Create connection

$conn = new mysqli($servername, $username, $password, $dbname);

// Check connection

if ($conn->connect\_error) {

die("Connection failed: " . $conn->connect\_error);

}

// SQL query to insert student details into the admission\_form table

$sql = "INSERT INTO admission\_form (studentID, studentName, emailID, 12thGrade, JEEScore, Department)

VALUES ('$studentID', '$studentName', '$emailID', '$grade12', $jeescore, '$department')";

if ($conn->query($sql) === TRUE) {

echo "Student details inserted successfully!";

} else {

echo "Error: " . $sql . "<br>" . $conn->error;

}

$conn->close();

}

?>

<h2>Top 5 Students in CSE Department</h2>

<?php

$servername = "localhost";

$username = "root";

$password = "root";

$dbname = "mydb";

// Create connection

$conn = new mysqli($servername, $username, $password, $dbname);

// Check connection

if ($conn->connect\_error) {

die("Connection failed: " . $conn->connect\_error);

}

// SQL query to select top 5 students with highest JEEScore in the CSE department

$sql = "SELECT studentID, studentName, emailID, 12thGrade, JEEScore

FROM admission\_form

WHERE Department = 'CSE'

ORDER BY JEEScore DESC

LIMIT 5";

$result = $conn->query($sql);

// Display the result

if ($result->num\_rows > 0) {

echo "<table>

<tr>

<th>Student ID</th>

<th>Student Name</th>

<th>Email ID</th>

<th>12th Grade</th>

<th>JEEScore</th>

</tr>";

while ($row = $result->fetch\_assoc()) {

echo "<tr>

<td>{$row['studentID']}</td>

<td>{$row['studentName']}</td>

<td>{$row['emailID']}</td>

<td>{$row['12thGrade']}</td>

<td>{$row['JEEScore']}</td>

</tr>";

}

echo "</table>";

} else {

echo "No records found";

}

$conn->close();

?>

</body>

</html>

<!-- SQL -->

<!-- CREATE TABLE admission\_form (

studentID INT PRIMARY KEY,

studentName VARCHAR(255),

emailID VARCHAR(255),

12thGrade VARCHAR(10),

JEEScore INT,

Department VARCHAR(50)

);

select \* from admission\_form

INSERT INTO admission\_form (studentID, studentName, emailID, 12thGrade, JEEScore, Department)

VALUES

(1, 'John Doe', 'john@example.com', 'A', 90, 'CSE'),

(2, 'Jane Doe', 'jane@example.com', 'B', 95, 'CSE'),

(3, 'Bob Smith', 'bob@example.com', 'A+', 92, 'CSE'),

(4, 'Alice Johnson', 'alice@example.com', 'B+', 88, 'CSE'),

(5, 'Charlie Brown', 'charlie@example.com', 'A', 94, 'CSE'),

(6, 'Eve Green', 'eve@example.com', 'A', 91, 'ECE'),

(7, 'David Lee', 'david@example.com', 'B+', 89, 'ECE'); -->

20/23. Design a login page with CSS for a café administrator and display the welcome page with proper UI for the authentic users

index.html

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<link rel="stylesheet" href="styles.css">

<title>Café Admin Login</title>

</head>

<body>

<div class="login-container">

<h2>Café Admin Login</h2>

<form action="welcome.html" method="post">

<label for="username">Username:</label>

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

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

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

<button type="submit">Login</button>

</form>

</div>

</body>

</html>

styles.css

body {

margin: 0;

padding: 0;

font-family: Arial, sans-serif;

background-color: #f4f4f4;

}

.login-container {

max-width: 400px;

margin: 100px auto;

background-color: #fff;

padding: 20px;

border-radius: 8px;

box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);

}

h2 {

text-align: center;

color: #333;

}

form {

display: flex;

flex-direction: column;

}

label {

margin-bottom: 8px;

color: #555;

}

input {

padding: 10px;

margin-bottom: 15px;

border: 1px solid #ccc;

border-radius: 4px;

}

button {

background-color: #4caf50;

color: #fff;

padding: 10px;

border: none;

border-radius: 4px;

cursor: pointer;

}

button:hover {

background-color: #45a049;

}

welcome.html

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<link rel="stylesheet" href="styles.css">

<title>Welcome to Café Admin Dashboard</title>

</head>

<body>

<div class="welcome-container">

<h2>Welcome to Café Admin Dashboard</h2>

<!-- Add your content for the welcome page here -->

</div>

</body>

</html>

21/22.

Create the database table with the entries mentioned: [rollNo, studName, studDept,

passingYear, classGrades] Grades should be either {First Class, Second Class, Pass}. Write a

PHP script to display the First class students from CSE department

<?php

$servername = "localhost";

$username = "root";

$password = "root";

$dbname = "mydb";

// Create a connection

$conn = new mysqli($servername, $username, $password, $dbname);

// Check the connection

if ($conn->connect\_error) {

die("Connection failed: " . $conn->connect\_error);

}

// Query to select First-class students from the CSE department

$sql = "SELECT \* FROM students WHERE studDept = 'CSE' AND classGrades = 'First Class'";

$result = $conn->query($sql);

// Display the results

if ($result->num\_rows > 0) {

echo "<h2>First-class students from CSE department:</h2>";

echo "<table border='1'>";

echo "<tr><th>Roll No</th><th>Student Name</th><th>Department</th><th>Passing Year</th><th>Class Grades</th></tr>";

while ($row = $result->fetch\_assoc()) {

echo "<tr>";

echo "<td>" . $row["rollNo"] . "</td>";

echo "<td>" . $row["studName"] . "</td>";

echo "<td>" . $row["studDept"] . "</td>";

echo "<td>" . $row["passingYear"] . "</td>";

echo "<td>" . $row["classGrades"] . "</td>";

echo "</tr>";

}

echo "</table>";

} else {

echo "No first-class students found in the CSE department.";

}

// Close the connection

$conn->close();

?>

<!-- create database mydb;

use mydb;

CREATE TABLE students (

rollNo INT PRIMARY KEY,

studName VARCHAR(255) NOT NULL,

studDept VARCHAR(50) NOT NULL,

passingYear INT NOT NULL,

classGrades VARCHAR(20) NOT NULL

);

INSERT INTO students (rollNo, studName, studDept, passingYear, classGrades)

VALUES

(1, 'John Doe', 'CSE', 2022, 'First Class'),

(2, 'Jane Smith', 'CSE', 2022, 'Second Class'),

(3, 'Bob Johnson', 'ECE', 2022, 'Pass'),

(4, 'Alice Brown', 'CSE', 2022, 'First Class'),

(5, 'Charlie White', 'MECH', 2022, 'Pass');

select \*from students

; -->

24.Write a PHP script to take number from user and print the table of that number.

<!DOCTYPE html>

<html>

<head>

<style>

body {

font-family: Arial, sans-serif;

text-align: center;

margin-top: 50px;

}

table {

border-collapse: collapse;

width: 50%;

margin: 0 auto;

}

th, td {

border: 1px solid black;

padding: 8px;

text-align: center;

}

th {

background-color: #f2f2f2;

}

</style>

</head>

<body>

<h1>Multiplication Table Generator</h1>

<!-- Form to input rows and columns -->

<form id="form">

<label for="rows">Number of Rows:</label>

<input type="number" id="rows" min="1" value="5">

<br><br>

<label for="columns">Number of Columns:</label>

<input type="number" id="columns" min="1" value="5">

<br><br>

<button type="button" onclick="generateTable()">Generate Table</button>

</form>

<!-- Display area for the multiplication table -->

<div id="tableContainer"></div>

<script>

function generateTable() {

var rows = parseInt(document.getElementById("rows").value);

var columns = parseInt(document.getElementById("columns").value);

var tableContainer = document.getElementById("tableContainer");

if (isNaN(rows) || isNaN(columns) || rows <= 0 || columns <= 0) {

tableContainer.innerHTML = "<p>Please enter valid positive numbers for rows and columns.</p>";

return;

}

var tableHTML = "<table>";

for (var i = 1; i <= rows; i++) {

tableHTML += "<tr>";

for (var j = 1; j <= columns; j++) {

tableHTML += "<td>" + (i \* j) + "</td>";

}

tableHTML += "</tr>";

}

tableHTML += "</table>";

tableContainer.innerHTML = tableHTML;

}

</script>

</body>

</html>

25.Write a program to check student grade based on the marks using if-else statement.

Conditions:

i. If marks are 60% or more, grade will be First Division.

ii. If marks between 45% to 59%, grade will be Second Division.

iii. If marks between 33% to 44%, grade will be Third Division.

iv. If marks are less than 33%, student will be Fail.

<!-- Grade checker with user input -->

<!DOCTYPE html>

<html>

<head>

<title>Grade Checker</title>

</head>

<body>

<form method="post" action="">

<label for="marks">Enter your marks:</label>

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

<button type="submit">Check Grade</button>

</form>

<?php

if ($\_SERVER["REQUEST\_METHOD"] == "POST") {

// Retrieve user input

$user\_marks = $\_POST["marks"];

// Validate user input (you may want to add more validation)

if (!is\_numeric($user\_marks)) {

echo "Please enter a valid numeric value for marks.";

} else {

// Convert input to a numeric value

$marks = (int)$user\_marks;

// Grade checking logic

if ($marks >= 60) {

echo "First Division";

} elseif ($marks >= 45) {

echo "Second Division";

} elseif ($marks >= 33) {

echo "Third Division";

} else {

echo "Fail";

}

}

}

?>

</body>

</html>

26.

Write a program to show day of the week (for example: Monday) based on numbers using

switch/case statements.

Conditions:

i. You can pass 1 to 7 number in switch

ii. Day 1 will be considered as Monday

iii. If number is not between 1 to 7, show invalid number in default

<!-- HTML form to take user input -->

<form method="get" action="">

<label for="dayNumber">Enter day number (1-7): </label>

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

<input type="submit" value="Submit">

</form>

<!-- PHP code to convert the number to day -->

<?php

if (isset($\_GET['dayNumber'])) {

$dayNumber = (int)$\_GET['dayNumber'];

switch ($dayNumber) {

case 1:

echo "Monday";

break;

case 2:

echo "Tuesday";

break;

case 3:

echo "Wednesday";

break;

case 4:

echo "Thursday";

break;

case 5:

echo "Friday";

break;

case 6:

echo "Saturday";

break;

case 7:

echo "Sunday";

break;

default:

echo "Invalid number";

}

}

?>

27. Write a PHP program to find factorial of a number using recursive function. Take Input via Prompt function and show output on browser screen

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>Factorial Calculator</title>

</head>

<body>

<h2>Factorial Calculator</h2>

<?php

// Function to calculate factorial recursively

function calculateFactorial($number) {

if ($number <= 1) {

return 1;

} else {

return $number \* calculateFactorial($number - 1);

}

}

// Check if the form is submitted

if ($\_SERVER["REQUEST\_METHOD"] == "POST") {

// Get the input from the form

$userInput = $\_POST["number"];

// Validate the input (ensure it's a non-negative integer)

if (ctype\_digit($userInput) && $userInput >= 0) {

// Calculate the factorial

$result = calculateFactorial($userInput);

// Display the result

echo "<p>The factorial of $userInput is: $result</p>";

} else {

// Display an error message for invalid input

echo "<p>Please enter a non-negative integer.</p>";

}

}

?>

<form method="post" action="<?php echo htmlspecialchars($\_SERVER["PHP\_SELF"]); ?>">

<label for="number">Enter a non-negative integer:</label>

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

<button type="submit">Calculate Factorial</button>

</form>

</body>

</html>

28.Write a program to calculate Electricity bill in PHP

Conditions:

i. For first 50 units – Rs. 3.50/unit

ii. For next 100 units – Rs. 4.00/unit

iii. For next 100 units – Rs. 5.20/unit

iv. For units above 250 – Rs. 6.50/unit

<?php

if ($\_SERVER["REQUEST\_METHOD"] == "POST") {

// Check if the form is submitted

$unitsConsumed = isset($\_POST["units"]) ? $\_POST["units"] : 0;

$billAmount = calculateElectricityBill($unitsConsumed);

} else {

// Default value if the form is not submitted

$unitsConsumed = 0;

$billAmount = 0;

}

?>

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>Electricity Bill Calculator</title>

</head>

<body>

<h1>Electricity Bill Calculator</h1>

<form method="post" action="<?php echo htmlspecialchars($\_SERVER["PHP\_SELF"]); ?>">

<label for="units">Enter the number of units consumed:</label>

<input type="number" name="units" id="units" value="<?php echo $unitsConsumed; ?>" required>

<input type="submit" value="Calculate">

</form>

<?php

if ($\_SERVER["REQUEST\_METHOD"] == "POST") {

echo "<p>Total electricity bill for $unitsConsumed units: Rs. $billAmount</p>";

}

?>

</body>

</html>

<?php

function calculateElectricityBill($units) {

$totalBill = 0;

if ($units <= 50) {

$totalBill = $units \* 3.50;

} elseif ($units <= 150) {

$totalBill = (50 \* 3.50) + (($units - 50) \* 4.00);

} elseif ($units <= 250) {

$totalBill = (50 \* 3.50) + (100 \* 4.00) + (($units - 150) \* 5.20);

} else {

$totalBill = (50 \* 3.50) + (100 \* 4.00) + (100 \* 5.20) + (($units - 250) \* 6.50);

}

return $totalBill;

}

?>

29. Write a PHP program to find Square Root of a number using PHP function. Take Input via

Textbox and show output on browser screen

Squareee root with input

<!-- Square root -->

<?php

if(isset($\_POST['number'])) {

$number = $\_POST['number'];

echo "Square Root: " . sqrt($number);

}

?>

<form method="post" action="">

Enter a number: <input type="text" name="number">

<input type="submit" value="Calculate Square Root">

</form>

30. Write a PHP Script with function to check whether a number is prime or not.

Note: A prime number (or a prime) is a natural number greater than 1 that has no positive

divisors other than 1 and itself

<!-- Prime num form -->

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>Check Prime Number</title>

</head>

<body>

<form method="post" action="">

<label for="number">Enter a number:</label>

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

<button type="submit">Check Prime</button>

</form>

<?php

function isPrime($num) {

if ($num <= 1) {

return false;

}

for ($i = 2; $i <= sqrt($num); $i++) {

if ($num % $i == 0) {

return false;

}

}

return true;

}

if ($\_SERVER["REQUEST\_METHOD"] == "POST") {

$userInput = isset($\_POST['number']) ? $\_POST['number'] : '';

if (is\_numeric($userInput)) {

$number = (int)$userInput;

if (isPrime($number)) {

echo "$number is a prime number";

} else {

echo "$number is not a prime number";

}

} else {

echo "Please enter a valid number.";

}

}

?>

</body>

</html>

31.Write a PHP function script that checks whether a passed string is a palindrome or not?

(Take Input Through Textbox and Display result on Client Browser screen)

<!-- Palindrome -->

<?php

function isPalindrome($str) {

$str = strtolower(str\_replace(' ', '', $str));

return $str == strrev($str);

}

if(isset($\_POST['text'])) {

$text = $\_POST['text'];

if (isPalindrome($text)) {

echo "$text is a palindrome";

} else {

echo "$text is not a palindrome";

}

}

?>

<form method="post" action="">

Enter a string: <input type="text" name="text">

<input type="submit" value="Check Palindrome">

</form>

32 Write a PHP script to : -

a) transform a string all uppercase letters.

b) transform a string all lowercase letters.

c) make a string's first character uppercase.

d) make a string's first character of all the words uppercase.

<!-- string manipulation -->

<?php

if(isset($\_POST['text'])) {

$text = $\_POST['text'];

echo "Uppercase: " . strtoupper($text) . "<br>";

echo "Lowercase: " . strtolower($text) . "<br>";

echo "First character uppercase: " . ucfirst($text) . "<br>";

echo "First character of all words uppercase: " . ucwords($text);

}

?>

<form method="post" action="">

Enter a string: <input type="text" name="text">

<input type="submit" value="Transform Text">

</form>

33. Write a PHP program to compute and return the square root of a given number

<!-- Square root -->

<?php

if(isset($\_POST['number'])) {

$number = $\_POST['number'];

echo "Square Root: " . sqrt($number);

}

?>

<form method="post" action="">

Enter a number: <input type="text" name="number">

<input type="submit" value="Calculate Square Root">

</form>

34.A) Write a PHP program to reverse the digits of an integer.

B) Write a PHP program to check whether a given positive integer is a power of four.

<!-- Reverse integer -->

<?php

if(isset($\_POST['number'])) {

$number = $\_POST['number'];

echo "Reversed number: " . strrev($number);

}

?>

<form method="post" action="">

Enter an integer: <input type="text" name="number">

<input type="submit" value="Reverse Digits">

</form>

<!-- Check Power of Four -->

<!DOCTYPE html>

<html>

<head>

<title>Power of Four Checker</title>

</head>

<body>

<h2>Power of Four Checker</h2>

<?php

if ($\_SERVER["REQUEST\_METHOD"] == "POST") {

$number =($\_POST['number']);

if (($number > 0) && (($number & ($number - 1)) == 0) && (($number - 1) % 3 == 0)) {

echo "$number is a power of four";

} else {

echo "$number is not a power of four";

}

}

?>

<form method="post" action="<?php echo $\_SERVER['PHP\_SELF'];?>">

Enter a number: <input type="text" name="number">

<input type="submit" value="Check Power of Four">

</form>

</body>

</html>

35. Write a PHP Function script to accept Temperature from user in Fahrenheit and convert it

degree Celsius and Vice Versa with both separate output on browser screen.

<!-- Temperature Conversion -->

<?php

function convertTemperature($temp, $unit) {

if ($unit == "celsius") {

$result = ($temp - 32) \* 5/9;

return "Temperature in Celsius: " . round($result, 2) . "°C";

} elseif ($unit == "fahrenheit") {

$result = ($temp \* 9/5) + 32;

return "Temperature in Fahrenheit: " . round($result, 2) . "°F";

} else {

return "Invalid unit";

}

}

if(isset($\_POST['temperature']) && isset($\_POST['unit'])) {

$temperature = $\_POST['temperature'];

$unit = $\_POST['unit'];

echo convertTemperature($temperature, $unit);

}

?>

<form method="post" action="">

Enter temperature: <input type="text" name="temperature">

<select name="unit">

<option value="celsius">Celsius</option>

<option value="fahrenheit">Fahrenheit</option>

</select>

<input type="submit" value="Convert Temperature">

</form>

36.Write a PHP Script to Add the following filed in Student Table with database connection:

i. Roll Number

ii. Name

iii. City

iv. Pin Code

Show the Result on Browser Screen through Display Record button

<!-- SHOW RECORDS FROM TABLE -->

<!DOCTYPE html>

<html>

<head>

<title>Student Records</title>

<style>

body {

font-family: Arial, sans-serif;

margin: 20px;

}

table {

width: 100%;

border-collapse: collapse;

}

th, td {

border: 1px solid #ddd;

padding: 8px;

text-align: left;

}

th {

background-color: #f2f2f2;

}

.button {

margin-top: 10px;

padding: 10px 20px;

background-color: #4caf50;

color: white;

border: none;

border-radius: 4px;

cursor: pointer;

}

</style>

</head>

<body>

<?php

// Database connection parameters

$servername = "localhost";

$username = "root";

$password = "root";

$dbname = "mydb";

// Create connection

$conn = new mysqli($servername, $username, $password, $dbname);

// Check connection

if ($conn->connect\_error) {

die("Connection failed: " . $conn->connect\_error);

}

// Check if form is submitted

if ($\_SERVER["REQUEST\_METHOD"] == "POST") {

// Retrieve records from the Student table

$sql = "SELECT \* FROM Student";

$result = $conn->query($sql);

if ($result->num\_rows > 0) {

echo "<h2>Student Records</h2>";

echo "<table>";

echo "<tr><th>Roll Number</th><th>Name</th><th>City</th><th>Pin Code</th></tr>";

// Output data of each row

while($row = $result->fetch\_assoc()) {

echo "<tr><td>".$row["roll\_number"]."</td><td>".$row["name"]."</td><td>".$row["city"]."</td><td>".$row["pin\_code"]."</td></tr>";

}

echo "</table>";

} else {

echo "0 results found";

}

}

// Close connection

$conn->close();

?>

<form method="post">

<input type="submit" class="button" value="Display Records">

</form>

</body>

</html>

CREATE TABLE Student (

roll\_number INT PRIMARY KEY,

name VARCHAR(255) NOT NULL,

city VARCHAR(255),

pin\_code VARCHAR(10)

);

INSERT INTO Student (roll\_number, name, city, pin\_code) VALUES

(1, 'John Doe', 'New York', '10001'),

(2, 'Jane Smith', 'Los Angeles', '90001'),

(3, 'Bob Johnson', 'Chicago', '60601');

37. Write a PHP script Add Record in Employee Table with Database connection:

i. EMP No

ii. Name

iii. Department

iv. Salary

Display Result of Employee having Salary Greater than 50000 Rs per month

<!-- ADD RECORD TO TABLE -->

<!DOCTYPE html>

<html>

<head>

<title>Employee Management System</title>

<style>

body {

font-family: Arial, sans-serif;

background-color: #f4f4f4;

}

.container {

width: 80%;

margin: 0 auto;

background-color: #ffffff;

padding: 20px;

border-radius: 5px;

box-shadow: 0px 0px 10px 0px rgba(0, 0, 0, 0.1);

}

form {

margin-bottom: 20px;

}

label {

display: block;

margin-bottom: 5px;

}

input[type="text"],

input[type="number"] {

width: 100%;

padding: 8px;

margin-bottom: 10px;

border: 1px solid #ccc;

border-radius: 4px;

box-sizing: border-box;

}

button {

background-color: #4caf50;

color: #ffffff;

padding: 10px 20px;

border: none;

border-radius: 4px;

cursor: pointer;

}

button:hover {

background-color: #45a049;

}

table {

width: 100%;

border-collapse: collapse;

margin-top: 20px;

}

th, td {

border: 1px solid #ddd;

padding: 8px;

text-align: left;

}

th {

background-color: #4caf50;

color: white;

}

</style>

</head>

<body>

<div class="container">

<h2>Add Employee Record</h2>

<form method="post">

<label>EMP No:</label>

<input type="text" name="emp\_no" required><br>

<label>Name:</label>

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

<label>Department:</label>

<input type="text" name="department" required><br>

<label>Salary:</label>

<input type="number" name="salary" required><br>

<button type="submit">Add Employee</button>

</form>

<?php

// Database connection

$host = "localhost";

$username = "root";

$password = "root";

$database = "php15";

$conn = new mysqli($host, $username, $password, $database);

if ($conn->connect\_error) {

die("Connection failed: " . $conn->connect\_error);

}

if ($\_SERVER["REQUEST\_METHOD"] == "POST") {

$emp\_no = $\_POST['emp\_no'];

$name = $\_POST['name'];

$department = $\_POST['department'];

$salary = $\_POST['salary'];

$sql = "INSERT INTO Employee (emp\_no, name, department, salary) VALUES ('$emp\_no', '$name', '$department', '$salary')";

if ($conn->query($sql) === TRUE) {

echo "Record added successfully";

} else {

echo "Error: " . $sql . "<br>" . $conn->error;

}

}

// Display employees with salary greater than 50000 Rs

$result = $conn->query("SELECT \* FROM Employee WHERE salary > 50000");

echo '<h2>Employees with Salary > 50000 Rs</h2>';

echo '<table>';

echo '<tr><th>EMP No</th><th>Name</th><th>Department</th><th>Salary</th></tr>';

while ($row = $result->fetch\_assoc()) {

echo '<tr><td>' . $row['emp\_no'] . '</td><td>' . $row['name'] . '</td><td>' . $row['department'] . '</td><td>' . $row['salary'] . '</td></tr>';

}

echo '</table>';

// Close the database connection

$conn->close();

?>

</div>

</body>

</html>

<!--

SQL

CREATE TABLE Employee (

emp\_no INT PRIMARY KEY,

name VARCHAR(255) NOT NULL,

department VARCHAR(255) NOT NULL,

salary INT NOT NULL

);

-->

38.

Write a PHP script Add Record in Users Table with Database Connection:

i. User id

ii. User Name

iii. Password

Update the User Password using update option on browser screen and show updated resul

<?php

$hostname = 'localhost';

$username = 'root';

$password = 'root';

$database\_name = 'mydb';

$conn = new mysqli($hostname, $username, $password, $database\_name);

if ($conn->connect\_error) {

die("Connection failed: " . $conn->connect\_error);

}

function addUser($userId, $userName, $password)

{

global $conn;

$sql = "INSERT INTO Users (user\_id, user\_name, password) VALUES ('$userId', '$userName', '$password')";

if ($conn->query($sql) === TRUE) {

echo "New record added successfully<br>";

} else {

echo "Error: " . $sql . "<br>" . $conn->error;

}

}

function updateUserPassword($userId, $newPassword)

{

global $conn;

$sql = "UPDATE Users SET password='$newPassword' WHERE user\_id='$userId'";

if ($conn->query($sql) === TRUE) {

echo "Password updated successfully<br>";

} else {

echo "Error updating password: " . $conn->error;

}

}

// Check if form is submitted for adding a new user

if ($\_SERVER["REQUEST\_METHOD"] == "POST") {

$userId = isset($\_POST['user\_id']) ? $\_POST['user\_id'] : null;

$userName = $\_POST['user\_name'];

$password = $\_POST['password'];

if ($userId !== null) {

addUser($userId, $userName, $password);

} else {

echo "User ID not provided";

}

}

// Check if form is submitted for updating user password

if ($\_SERVER["REQUEST\_METHOD"] == "GET") {

$userId = isset($\_GET['user\_id']) ? $\_GET['user\_id'] : null;

$newPassword = isset($\_GET['new\_password']) ? $\_GET['new\_password'] : null;

if ($userId !== null && $newPassword !== null) {

updateUserPassword($userId, $newPassword);

} else {

echo "User ID or New Password not provided";

}

}

// Retrieve and display all records from the Users table

$sql = "SELECT \* FROM Users";

$result = $conn->query($sql);

echo "<h2>Users Table</h2>";

if ($result->num\_rows > 0) {

echo "<table border='1'><tr><th>User ID</th><th>User Name</th><th>Password</th></tr>";

while ($row = $result->fetch\_assoc()) {

echo "<tr><td>" . $row["user\_id"] . "</td><td>" . $row["user\_name"] . "</td><td>" . $row["password"] . "</td></tr>";

}

echo "</table>";

} else {

echo "0 results found";

}

$conn->close();

?>

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>Add User</title>

<style>

body {

font-family: Arial, sans-serif;

}

form {

margin-bottom: 20px;

}

table {

width: 100%;

border-collapse: collapse;

}

th,

td {

border: 1px solid #ddd;

padding: 8px;

text-align: left;

}

th {

background-color: #f2f2f2;

}

h2 {

margin-top: 20px;

}

</style>

</head>

<body>

<h2>Add User</h2>

<form method="post" action="<?php echo $\_SERVER['PHP\_SELF']; ?>">

User ID: <input type="text" name="user\_id"><br>

User Name: <input type="text" name="user\_name"><br>

Password: <input type="password" name="password"><br>

<input type="submit" value="Add User">

</form>

<h2>Update Password</h2>

<form method="get" action="<?php echo $\_SERVER['PHP\_SELF']; ?>">

User ID: <input type="text" name="user\_id"><br>

New Password: <input type="password" name="new\_password"><br>

<input type="submit" value="Update Password">

</form>

</body>

</html>