**WMA Practical Slip Answers**

Slip 1:

1.Write a javascript code to reverse a given number (Handle onClick event)

<html>

<head>

<title>Reverse a Number</title>

</head>

<body>

<div style="text-align: center; margin-top: 50px;">

<h2>Reverse a Number</h2>

<input type="number" id="numInput" placeholder="Enter a number"/>

<button onclick="reverseNumber()">Reverse</button>

<p id="result"></p>

</div>

<script>

function reverseNumber() {

let num = document.getElementById("numInput").value;

let reversedNum = parseInt(num.toString().split('').reverse().join(''));

document.getElementById("result").innerText = "Reversed Number: " + reversedNum;

}

</script>

</body>

</html>

2. Write a Kotlin application to accept the details of Employee (Eno, Ename, Salary) and display it.

fun main() {

print("Enter Employee Number: ")

val eno = readLine()?.toIntOrNull() ?: 0

print("Enter Employee Name: ")

val ename = readLine() ?: ""

print("Enter Employee Salary: ")

val salary = readLine()?.toDoubleOrNull() ?: 0.0

println("\nEmployee Details:")

println("Employee Number: $eno")

println("Employee Name: $ename")

println("Employee Salary: $salary")

}

Slip 2:

1. Write a javascript code to validate given name, if it is invalid then display the message “Name is Invalid” otherwise display it by using alert() dialog box.

<html>

<head>

<title>Validate Name</title>

<script>

function validateName() {

let name = document.getElementById("nameInput").value.trim();

let namePattern = /^[A-Za-z ]+$/;

if (!namePattern.test(name) || name === "") {

document.getElementById("result").innerText = "Name is Invalid";

} else {

alert("Valid Name: " + name);

}

}

</script>

</head>

<body>

<h2>Validate Name</h2>

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

<button onclick="validateName()">Submit</button>

<p id="result"></p>

</body>

</html>

2.Write a HTML-CSS script to display image at the background of web page

<html>

<head>

<title>Background Image</title>

<style>

body {

background: url('background.jpg') no-repeat center center fixed;

background-size: cover;

}

</style>

</head>

<body>

</body>

</html>

Slip 3:

1. Write a PHP script to validate PAN Number

<html>

<head>

<title>PAN Validation</title>

</head>

<body>

<form method="post">

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

<input type="text" id="pan" name="pan" placeholder="Enter PAN Number" required>

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

</form>

<?php

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

$pan = strtoupper(trim($\_POST["pan"]));

if (preg\_match("/^[A-Z]{5}[0-9]{4}[A-Z]$/", $pan)) {

echo "<p style='color: green;'>Valid PAN Number: $pan</p>";

} else {

echo "<p style='color: red;'>Invalid PAN Number</p>";

}

}

?>

</body>

</html>

2.Write HTML script for the following:

<html>

<head>

<title>Table with number</title>

</head>

<body>

<table border="1" cellspacing='0' cellpadding='10'>

<tr>

<td>1</td> <td>2</td> <td>3</td>

</tr>

<tr>

<td>4</td>

<td rowspan="2" style="height: 100px;">

<iframe srcdoc="

<table border='1'>

<tr><td>5</td></tr>

</table>

" width="50" height="50" style="border:none;"></iframe>

</td>

<td>6</td> <td>7</td>

</tr>

<tr>

<td>8</td> <td>9</td> <td>10</td>

</tr>

<tr>

<td rowspan="2">11</td> <td>12</td> <td>13</td>

</tr>

<tr>

<td>14</td> <td>15</td> <td>16</td>

</tr>

</table>

</body>

</html>

Slip 4:

1. Write a PHP script to validate Mobile Number

<?php

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

$mobile = trim($\_POST["mobile"]);

if (preg\_match("/^[789]\d{9}$/", $mobile)) {

echo "<p style='color: green;'>Valid Mobile Number: $mobile</p>";

} else {

echo "<p style='color: red;'>Invalid Mobile Number</p>";

}

}

?>

<html>

<head>

<title>Mobile Number Validation</title>

</head>

<body>

<form method="post">

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

<input type="text" id="mobile" name="mobile" placeholder="Enter 10-digit number" required>

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

</form>

</body>

</html>

2.Write a javascript code to accept Ename from user and display it on same web page. (Use div)

<html>

<head>

<title>Display Name</title>

</head>

<body>

<input type="text" id="ename" placeholder="Enter Name">

<button onclick="document.getElementById('output').innerHTML = 'Employee Name:' + document.getElementById('ename').value;">Submit</button>

<div id="output" style="margin-top: 10px; font-weight: bold;"></div>

</body>

</html>

Slip 5:

1. Write a PHP script to validate Email ID

<?php

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

$email = trim($\_POST["email"]);

// Validate email using PHP's built-in filter

if (filter\_var($email, FILTER\_VALIDATE\_EMAIL)) {

echo "<p style='color: green;'>Valid Email: $email</p>";

} else {

echo "<p style='color: red;'>Invalid Email</p>";

}

}

?>

<html>

<head>

<title>Email Validation</title>

</head>

<body>

<form method="post">

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

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

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

</form>

</body>

</html>

2.Write a javascript code to calculate the sum of first and last digit of a number.

<html>

<head>

<title>Sum of First and Last Digit</title>

</head>

<body>

<input type="text" id="num" placeholder="Enter number">

<button onclick="calculateSum()">Calculate</button>

<div id="output"></div>

<script>

function calculateSum() {

let n = document.getElementById("num").value;

let sum = +n[0] + +n[n.length - 1];

document.getElementById("output").innerHTML = "Sum: " + sum;

}

</script>

</body>

</html>

Slip 6:

1. Create an HTML page giving information about celebrating Diwali in your country. Use Various tags in HTML to give it a pleasant look. It should be having following links:

a. Clip of Diwali celebration

b. Photos of Diwali celebration

c. Information why it is celebrated

<!DOCTYPE html>

<html>

<head>

<title>Diwali Celebration</title>

<style>

body {

text-align: center;

font-family: Arial, sans-serif;

background-color: #fff8e1;

}

h1 {

color: #ff9800;

}

a {

display: block;

margin: 10px auto;

padding: 10px;

width: 200px;

text-decoration: none;

background: #ff9800;

color: white;

border-radius: 5px;

}

a:hover {

background: #e68900;

}

</style>

</head>

<body>

<h1> Diwali Celebration </h1>

<p>Diwali, the festival of lights, celebrates the victory of good over evil.</p>

<a href="diwali\_clip.mp4">Watch Clip</a>

<a href="diwali\_photos.html"> View Photos</a>

<a href="diwali\_info.html">Why Celebrate?</a>

</body>

</html>

2.Write a PHP code to check whether given number is Armstrong or not.

<?php

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

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

$sum = 0;

$temp = $num;

$digits = strlen($num);

while ($temp > 0) {

$sum += pow($temp % 10, $digits);

$temp = (int)($temp / 10);

}

$result = ($sum == $num) ? "$num is an Armstrong Number" : "$num is NOT an Armstrong Number";

}

?>

<html>

<head>

<title>Armstrong Number Checker</title>

</head>

<body>

<form method="post">

<input type="text" name="num" placeholder="Enter number" required>

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

</form>

<?php if(isset($result)) echo "<p>$result</p>"; ?>

</body>

</html>

Slip 7:

1. Write the HTML code which generates the following output.

List of Programs in College

<html>

<h1> List of Programs in College</h1>

<ol type="a">

<li>Arts</li>

<ol type="i">

<li>B.A.</li>

<li>M.A.</li>

</ol>

<li>Commerce</li>

<ol type="I">

<li>B.Com.</li>

<li>M.Com.</li>

<li>B.B.A.</li>

</ol>

<li>Science</li>

<ol>

<li>B.Sc.</li>

<li>M.Sc.(Physics)</li>

<li>M.Sc.(Chemistry)</li>

</ol>

<li>Computer Science</li>

<ul>

<li>B.Sc.(Computer Science)</li>

<li>B.C.A.(Science)</li>

<li>B.Sc.(Information Technology)</li>

<li>B.Sc.(Cyber and Digital Science)</li>

<li>M.Sc.(Computer Science)</li>

<li>M.Sc.(Computer Application)</li>

<li>M.Sc.(Information Technology)</li>

<li>M.Sc.(Data Science)</li>

</ol>

</html>

2.Write a javascript code to accept a String from user and display the vowels from it

<html>

<head>

<title>Vowel Extractor</title>

</head>

<body>

<input type="text" id="text" placeholder="Enter a string">

<button onclick="showVowels()">Show Vowels</button>

<p id="output"></p>

<script>

function showVowels() {

let str = document.getElementById("text").value;

let vowels = str.match(/[aeiouAEIOU]/g);

document.getElementById("output").innerHTML = vowels ? "Vowels: " + vowels.join(", ") : "No vowels found";

}

</script>

</body>

</html>

Slip 8:

1. . Write a HTML script to display the following output: (Expenditure Table)

<html>

<head>

<title>Expenditures Table</title>

<style>

table {

width: 100%;

border-collapse: collapse;

text-align: center;

}

th, td {

border: 1px solid black;

padding: 8px;

}

th {

background-color: #f2f2f2;

}

h2 {

text-align: center;

}

</style>

</head>

<body>

<h2><b>Expenditures of a Company (In Lakh Rupees) per Annum Over the given Years.</b></h2>

<table>

<tr>

<th rowspan="2">Year</th>

<th colspan="5">Item of Expenditure</th>

</tr>

<tr>

<th>Salary</th>

<th>Fuel and Transport</th>

<th>Bonus</th>

<th>Interest on Loans</th>

<th>Taxes</th>

</tr>

<tr>

<td>1998</td>

<td>288</td>

<td>98</td>

<td>3.00</td>

<td>23.4</td>

<td>83</td>

</tr>

<tr>

<td>1999</td>

<td>342</td>

<td>112</td>

<td>2.52</td>

<td>32.5</td>

<td>108</td>

</tr>

<tr>

<td>2000</td>

<td>324</td>

<td>101</td>

<td>3.84</td>

<td>41.6</td>

<td>74</td>

</tr>

<tr>

<td>2001</td>

<td>336</td>

<td>133</td>

<td>3.68</td>

<td>36.4</td>

<td>88</td>

</tr>

<tr>

<td>2002</td>

<td>420</td>

<td>142</td>

<td>3.96</td>

<td>49.4</td>

<td>98</td>

</tr>

</table>

</body>

</html>

2.Write a PHP code to check whether given string palindrome or not

<?php

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

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

$rev = strrev($str);

$result = ($str === $rev) ? "$str is a Palindrome" : "$str is NOT a Palindrome";

}

?>

<!DOCTYPE html>

<html>

<head>

<title>Palindrome Checker</title>

</head>

<body>

<form method="post">

<input type="text" name="str" placeholder="Enter a string" required>

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

</form>

<?php if(isset($result)) echo "<p>$result</p>"; ?>

</body>

</html>

Slip 9:

1. Create HTML page with following specifications:

i. Title should be about your State. ii. Color the background by Pink color. iii. Place your state name at the top of page in large text and in blue color. iv. Add names of popular places in your state, each in different color, style and font. v. Add scrolling text about your state specialty. (Use inline CSS to format the web page)

<html>

<head>

<title>Maharashtra</title>

</head>

<body style="background-color: pink; text-align: center;">

<h1 style="color: blue; font-size: 40px;">Maharashtra</h1>

<marquee style="color: red; font-size: 20px;">Maharashtra is famous for its rich culture, Bollywood, and delicious street food!</marquee>

<h2 style="color: green; font-family: Arial;">Mumbai</h2>

<h2 style="color: purple; font-family: 'Times New Roman';">Pune</h2>

<h2 style="color: orange; font-family: Verdana;">Nashik</h2>

<h2 style="color: brown; font-family: Georgia;">Aurangabad</h2>

<h2 style="color: teal; font-family: Courier;">Nagpur</h2>

</body>

</html>

2.Write a Kotlin program to calculate the factorial of a given number. (Use Function)

fun factorial(n: Int): Long {

return if (n == 0 || n == 1) 1 else n \* factorial(n - 1)

}

fun main() {

print("Enter a number: ")

val num = readLine()!!.toInt()

println("Factorial of $num is ${factorial(num)}")

}

Slip 10:

1. Write the HTML code which generates the following output (Use CSS) (employee resitration form)

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>Employee Registration Form</title>

<style>

body {

font-family: Arial, sans-serif;

margin: 20px;

padding: 20px;

background-color: #f4f4f4;

}

.form-container {

background-color: #fff;

padding: 20px;

border-radius: 8px;

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

max-width: 600px;

margin: auto;

}

.header-container {

display: flex;

align-items: center;

margin-bottom: 20px;

}

.header-container img {

max-width: 100px;

max-height: 100px;

border-radius: 50%;

margin-right: 20px;

}

h2 {

color: #333;

}

label {

font-weight: bold;

}

.input-field {

width: 100%;

padding: 8px;

margin: 10px 0;

border-radius: 4px;

border: 1px solid #ccc;

}

.radio-group input {

margin-right: 5px;

}

.form-button {

background-color: #4CAF50;

color: white;

padding: 10px 15px;

border: none;

border-radius: 4px;

cursor: pointer;

}

.form-button:hover {

background-color: #45a049;

}

.form-button-reset {

background-color: #f44336;

color: white;

padding: 10px 15px;

border: none;

border-radius: 4px;

cursor: pointer;

}

.form-button-reset:hover {

background-color: #e53935;

}

.input-group {

margin-bottom: 15px;

}

.language-checkboxes input {

margin-right: 10px;

}

</style>

</head>

<body>

<div class="form-container">

<!-- Header with Image and Title -->

<div class="header-container">

<img id="employeeImage" src="img.jpg" alt="Employee Photo">

<h2>Employee Registration Form</h2>

</div>

<form action="#" method="POST" enctype="multipart/form-data">

<!-- Mr/Mrs/Ms Radio Buttons -->

<div class="radio-group">

<label>Title:</label><br>

<input type="radio" id="mr" name="title" value="Mr." required>

<label for="mr">Mr.</label>

<input type="radio" id="mrs" name="title" value="Mrs.">

<label for="mrs">Mrs.</label>

<input type="radio" id="ms" name="title" value="Ms.">

<label for="ms">Ms.</label>

</div>

<!-- First Name Input -->

<div class="input-group">

<label for="first\_name">First Name:</label>

<input type="text" id="first\_name" name="first\_name" class="input-field" placeholder="Enter your first name" required>

</div>

<!-- Last Name Input -->

<div class="input-group">

<label for="last\_name">Last Name:</label>

<input type="text" id="last\_name" name="last\_name" class="input-field" placeholder="Enter your last name" required>

</div>

<!-- Email Input -->

<div class="input-group">

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

<input type="email" id="email" name="email" class="input-field" placeholder="Enter your email" required>

</div>

<!-- Alternate Email Input -->

<div class="input-group">

<label for="email2">Alternate Email Address:</label>

<input type="email" id="email2" name="email2" class="input-field" placeholder="Enter an alternate email">

</div>

<!-- City Input -->

<div class="input-group">

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

<input type="text" id="city" name="city" class="input-field" placeholder="Enter your city" required>

</div>

<!-- State Dropdown -->

<div class="input-group">

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

<select id="state" name="state" class="input-field" required>

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

<option value="Maharashtra">Maharashtra</option>

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

<option value="Delhi">Delhi</option>

<option value="Karnataka">Karnataka</option>

</select>

</div>

<!-- Zip Input -->

<div class="input-group">

<label for="zip">Zip Code:</label>

<input type="text" id="zip" name="zip" class="input-field" placeholder="Enter zip code" required>

</div>

<!-- Image Upload Input -->

<div class="input-group">

<label for="photo">Upload Photo:</label>

<input type="file" id="photo" name="photo" accept="image/\*" onchange="previewImage(event)">

<label>No file selected</label>

</div>

<!-- Mobile Number Input -->

<div class="input-group">

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

<input type="tel" id="mobile" name="mobile" class="input-field" placeholder="+91" required>

</div>

<!-- Languages Known Checkbox -->

<div class="input-group language-checkboxes">

<label>Languages Known:</label><br>

<input type="checkbox" id="gujarati" name="languages" value="Gujarati">

<label for="gujarati">Gujarati</label>

<input type="checkbox" id="hindi" name="languages" value="Hindi">

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

<input type="checkbox" id="marathi" name="languages" value="Marathi">

<label for="marathi">Marathi</label>

<input type="checkbox" id="english" name="languages" value="English">

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

</div>

<!-- Additional Information Textarea -->

<div class="input-group">

<label for="additional\_info">Additional Information:</label>

<textarea id="additional\_info" name="additional\_info" class="input-field" rows="4" placeholder="Enter any additional information"></textarea>

</div>

<!-- Submit and Reset Buttons -->

<div class="input-group">

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

<button type="reset" class="form-button-reset">Reset</button>

</div>

</form>

</div>

<script>

// Image preview function

function previewImage(event) {

const image = document.getElementById('employeeImage');

const file = event.target.files[0];

if (file) {

const reader = new FileReader();

reader.onload = function() {

image.src = reader.result;

};

reader.readAsDataURL(file);

}

}

</script>

</body>

</html>

2.Write a Kotlin application to check whether given number is prime or not (Use Function)

fun isPrime(n: Int): Boolean {

if (n < 2) return false

for (i in 2..n / 2) {

if (n % i == 0) return false

}

return true

}

fun main() {

print("Enter a number: ")

val num = readLine()!!.toInt()

if (isPrime(num)) {

println("$num is a Prime Number")

} else {

println("$num is NOT a Prime Number")

}

}

Slip 11:

1. Write HTML code to design a website for Online Shopping. Design home page which consist of list of items each with hyperlink, clicking on which should display related information on separate web page. (Use external CSS to format each web page).

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>Online Shopping</title>

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

</head>

<body>

<h1>Welcome to Online Shopping</h1>

<h2>Choose an item:</h2>

<ul>

<li><a href="item1.html">Laptop</a></li>

<li><a href="item2.html">Smartphone</a></li>

<li><a href="item3.html">Headphones</a></li>

<li><a href="item4.html">Smartwatch</a></li>

</ul>

</body>

</html>

1. Design following form in HTML and write a PHP script to display filled information on Web page.

<!DOCTYPE html>

<html>

<head>

<title>Form Submission</title>

</head>

<body>

<?php

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

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

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

$gender = isset($\_POST["gender"]) ? $\_POST["gender"] : "Not selected";

$os = isset($\_POST["os"]) ? implode(", ", $\_POST["os"]) : "None";

echo "<h2>Submitted Information:</h2>";

echo "Name: " . htmlspecialchars($name) . "<br>";

echo "City: " . htmlspecialchars($city) . "<br>";

echo "Gender: " . htmlspecialchars($gender) . "<br>";

echo "Operating System Used: " . htmlspecialchars($os) . "<br><br>";

}

?>

<form method="post">

<label>Enter your name:</label>

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

<label>Select your City:</label>

<select name="city">

<option value="Pune">Pune</option>

<option value="Mumbai">Mumbai</option>

<option value="Delhi">Delhi</option>

</select><br><br>

<label><b>Which Operating System do you have used?</b></label><br>

<input type="checkbox" name="os[]" value="Windows"> Windows

<input type="checkbox" name="os[]" value="Linux"> Linux

<input type="checkbox" name="os[]" value="Mac"> Mac

<br><br>

<label><b>Gender:</b></label>

<input type="radio" name="gender" value="Male"> Male

<input type="radio" name="gender" value="Female"> Female

<br><br>

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

</form>

</body>

</html>

Slip 12:

1. Design HTML form to accept two strings and following three options (use radio button). Write a PHP script to perform following operations on String. a. Compare 2 strings b. Convert string into Uppercase c. Convert string into Lowercase

<!DOCTYPE html>

<html>

<head>

<title>String Operations</title>

</head>

<body>

<?php

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

$str1 = $\_POST["str1"];

$str2 = $\_POST["str2"];

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

echo "<h2>Result:</h2>";

if ($operation == "compare") {

if ($str1 == $str2) {

echo "Strings are equal.";

} else {

echo "Strings are not equal.";

}

} elseif ($operation == "uppercase") {

echo "Uppercase: " . strtoupper($str1);

} elseif ($operation == "lowercase") {

echo "Lowercase: " . strtolower($str1);

}

}

?>

<form method="post">

<label>Enter First String:</label>

<input type="text" name="str1" required><br><br>

<label>Enter Second String:</label>

<input type="text" name="str2" required><br><br>

<label>Select Operation:</label><br

1. Write a JavaScript code to calculate the sum of odd digits from a given number using function.

<!DOCTYPE html>

<html>

<head>

<title>Sum of Odd Digits</title>

<script>

function sumOddDigits() {

let num = document.getElementById("number").value;

let sum = 0;

for (let digit of num) {

let d = parseInt(digit);

if (d % 2 !== 0) {

sum += d;

}

}

document.getElementById("result").innerText = "Sum of odd digits: " + sum;

}

</script>

</head>

<body>

<h2>Calculate Sum of Odd Digits</h2>

<label>Enter a Number:</label>

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

<button onclick="sumOddDigits()">Calculate</button>

<p id="result"></p>

</body>

</html>

Slip 13:

1. Write a PHP script to display multiplication table of a given number

<!DOCTYPE html>

<html>

<head>

<title>Multiplication Table</title>

</head>

<body>

<form method="post">

<label>Enter a Number:</label>

<input type="number" name="num" required>

<button type="submit">Show Table</button>

</form>

<?php

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

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

echo "<h2>Multiplication Table of $num</h2>";

echo "<ul>";

for ($i = 1; $i <= 10; $i++) {

echo "<li>$num x $i = " . ($num \* $i) . "</li>";

}

echo "</ul>";

}

?>

</body>

</html>

1. Write android application using Kotlin to display “My College, My Carrier“ Message on Mobile.

XML File:

<?xml version="1.0" encoding="utf-8"?>

<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:gravity="center"

android:orientation="vertical"

android:background="#FFEB3B">

<TextView

android:id="@+id/textMessage"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Loading..."

android:textSize="24sp"

android:textColor="#000"

android:textStyle="bold"/>

</LinearLayout>

Kotlin File:

package com.example.mycollegecareer

import android.os.Bundle

import androidx.appcompat.app.AppCompatActivity

import android.widget.TextView

class MainActivity : AppCompatActivity() {

override fun onCreate(savedInstanceState: Bundle?) {

super.onCreate(savedInstanceState)

setContentView(R.layout.activity\_main)

// Reference TextView from XML

val textView = findViewById<TextView>(R.id.textMessage)

textView.text = "My College, My Career"

}

}

Slip 14:

1. Write a JavaScript code to validate Pin Code. (Handle OnBlur event)

<!DOCTYPE html>

<html>

<head>

<title>Pin Code Validation</title>

<script>

function validatePinCode() {

let pin = document.getElementById("pincode").value;

let error = document.getElementById("error");

let pinRegex = /^[0-9]{6}$/; // Regex for exactly 6-digit number

if (!pinRegex.test(pin)) {

error.innerText = "Invalid Pin Code! Enter a 6-digit number.";

error.style.color = "red";

} else {

error.innerText = "Valid Pin Code!";

error.style.color = "green";

}

}

</script>

</head>

<body>

<h2>Pin Code Validation</h2>

<label>Enter Pin Code:</label>

<input type="text" id="pincode" onblur="validatePinCode()">

<p id="error"></p>

</body>

</html>

1. Write android application using Kotlin to display Text Message clicking on button.

XML File:

<?xml version="1.0" encoding="utf-8"?>

<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:orientation="vertical"

android:gravity="center"

android:padding="20dp">

<TextView

android:id="@+id/textViewMessage"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Click the button to see the message"

android:textSize="18sp"

android:visibility="gone"

android:textColor="@android:color/black"/>

<Button

android:id="@+id/buttonShowMessage"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Show Message"

android:padding="10dp"

android:layout\_marginTop="20dp"/>

</LinearLayout>

Kotlin File:

package com.example.myapp

import android.os.Bundle

import android.view.View

import android.widget.Button

import android.widget.TextView

import androidx.appcompat.app.AppCompatActivity

class MainActivity : AppCompatActivity() {

override fun onCreate(savedInstanceState: Bundle?) {

super.onCreate(savedInstanceState)

setContentView(R.layout.activity\_main)

val textViewMessage = findViewById<TextView>(R.id.textViewMessage)

val buttonShowMessage = findViewById<Button>(R.id.buttonShowMessage)

buttonShowMessage.setOnClickListener {

textViewMessage.text = "Hello! You clicked the button!"

textViewMessage.visibility = View.VISIBLE

}

}

}

Slip 15:

1. Write a PHP script for the following: Design a form to accept two strings from the user. a. Find whether the small string appears at the start of the large string. b. Find the position of the small string in the big string.

<!DOCTYPE html>

<html>

<head>

<title>String Operations</title>

</head>

<body>

<h2>String Operations Form</h2>

<form method="post">

<label>Enter Large String:</label>

<input type="text" name="large\_string" required><br><br>

<label>Enter Small String:</label>

<input type="text" name="small\_string" required><br><br>

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

</form>

<?php

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

$largeString = $\_POST['large\_string'];

$smallString = $\_POST['small\_string'];

// Check if small string appears at the start of large string

if (strpos($largeString, $smallString) === 0) {

echo "<p><b>The small string appears at the start of the large string.</b></p>";

} else {

echo "<p><b>The small string does not appear at the start of the large string.</b></p>";

}

// Find position of small string in large string

$position = strpos($largeString, $smallString);

if ($position !== false) {

echo "<p><b>Position of the small string in the large string:</b> $position</p>";

} else {

echo "<p><b>The small string is not found in the large string.</b></p>";

}

}

?>

</body>

</html>

1. Write a HTML – CSS script to accept the details of Student (RollNo, SName, Per) and display it in tabular format in red color.

<!DOCTYPE html>

<html>

<head>

<title>Student Details</title>

<style>

body {

font-family: Arial, sans-serif;

text-align: center;

margin: 20px;

background-color: #f9f9f9;

}

table {

width: 50%;

margin: auto;

border-collapse: collapse;

}

th, td {

border: 1px solid black;

padding: 10px;

text-align: center;

color: red; /\* Red text color \*/

}

th {

background-color: lightgray;

}

</style>

</head>

<body>

<h2>Enter Student Details</h2>

<form>

<label>Roll No:</label>

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

<label>Student Name:</label>

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

<label>Percentage:</label>

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

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

</form>

<h2>Student Details</h2>

<table>

<tr>

<th>Roll No</th>

<th>Student Name</th>

<th>Percentage</th>

</tr>

<tr>

<td>101</td>

<td>John Doe</td>

<td>85%</td>

</tr>

<tr>

<td>102</td>

<td>Jane Smith</td>

<td>92%</td>

</tr>

</table>

</body>

</html>

Slip 16:

1. Write a PHP script to display all the prime numbers between 1 to100 in blue color.

<!DOCTYPE html>

<html>

<head>

<title>Prime Numbers (1-100)</title>

<style>

body {

font-family: Arial, sans-serif;

text-align: center;

margin: 20px;

}

.prime {

color: blue; /\* Blue color for prime numbers \*/

font-weight: bold;

}

</style>

</head>

<body>

<h2>Prime Numbers from 1 to 100</h2>

<p>

<?php

function isPrime($num) {

if ($num < 2) return false;

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

if ($num % $i == 0) return false;

}

return true;

}

for ($i = 1; $i <= 100; $i++) {

if (isPrime($i)) {

echo "<span class='prime'>$i</span> ";

}

}

?>

</p>

</body>

</html>

1. Write a JavaScript Code to accept Student name and display it in reverse order on same web page. (Use div)

<!DOCTYPE html>

<html>

<head>

<title>Reverse Student Name</title>

<script>

function reverseName() {

let name = document.getElementById("studentName").value;

let reversedName = name.split("").reverse().join(""); // Reverse the name

document.getElementById("result").innerText = "Reversed Name: " + reversedName;

}

</script>

</head>

<body>

<h2>Reverse Student Name</h2>

<label>Enter Student Name:</label>

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

<button onclick="reverseName()">Reverse</button>

<div id="result" style="margin-top: 20px; font-weight: bold;"></div>

</body>

</html>

Slip 17:

1. Write a HTML script to scroll the image right to left continuously on the form.

<!DOCTYPE html>

<html>

<head>

<title>Scrolling Image</title>

</head>

<body>

<h2>Scrolling Image from Right to Left</h2>

<marquee behavior="scroll" direction="left" scrollamount="5">

<img src="your-image.jpg" alt="Scrolling Image" height="150">

</marquee>

</body>

</html>

1. Write a JavaScript code to display alternate alphabets from a given string

<!DOCTYPE html>

<html>

<head>

<title>Alternate Alphabets</title>

<script>

function showAlternateAlphabets() {

let inputString = document.getElementById("inputString").value;

let result = "";

for (let i = 0; i < inputString.length; i += 2) {

result += inputString[i]; // Pick every alternate character

}

document.getElementById("result").innerText = "Alternate Alphabets: " + result;

}

</script>

</head>

<body>

<h2>Display Alternate Alphabets</h2>

<label>Enter a String:</label>

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

<button onclick="showAlternateAlphabets()">Show</button>

<div id="result" style="margin-top: 20px; font-weight: bold;"></div>

</body>

</html>

Slip 18:

1. Write a PHP script to convert given string to uppercase

<!DOCTYPE html>

<html>

<head>

<title>Convert String to Uppercase</title>

</head>

<body>

<h2>Convert String to Uppercase</h2>

<form method="post">

<label>Enter a String:</label>

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

<button type="submit" name="convert">Convert</button>

</form>

<?php

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

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

$uppercaseString = strtoupper($inputString); // Convert to uppercase

echo "<h3>Uppercase String: $uppercaseString</h3>";

}

?>

</body>

</html>

1. Write a Kotlin application to accept the details of College (ID, Name, Est\_Year) and display it. (Use Function)

fun main() {

// Function to accept and display college details

fun displayCollegeDetails(id: Int, name: String, estYear: Int) {

println("\n--- College Details ---")

println("College ID: $id")

println("College Name: $name")

println("Established Year: $estYear")

}

// Accept input from user

print("Enter College ID: ")

val id = readLine()!!.toInt()

print("Enter College Name: ")

val name = readLine()!!

print("Enter Establishment Year: ")

val estYear = readLine()!!.toInt()

// Call function to display details

displayCollegeDetails(id, name, estYear)

}

Slip 19:

1. Write a HTML script to develop simple static website for college admission system (Use and tag)

File using <frameset> tag:

<!DOCTYPE html>

<html>

<head>

<title>College Admission System</title>

</head>

<frameset rows="20%, 80%" border="1">

<frame src="header.html" name="headerFrame" noresize scrolling="no">

<frameset cols="20%, 80%">

<frame src="menu.html" name="menuFrame" noresize>

<frame src="home.html" name="contentFrame" noresize>

</frameset>

</frameset>

</html>

Header file:

<!DOCTYPE html>

<html>

<head>

<title>Header</title>

</head>

<body style="text-align: center; font-size: 24px; font-weight: bold; background-color: #f4b400;">

Welcome to College Admission System

</body>

</html>

Menu File:

<!DOCTYPE html>

<html>

<head>

<title>Menu</title>

</head>

<body style="background-color: #ddd;">

<h3>Menu</h3>

<a href="home.html" target="contentFrame">Home</a><br>

<a href="courses.html" target="contentFrame">Courses</a><br>

<a href="admission.html" target="contentFrame">Admission</a><br>

<a href="contact.html" target="contentFrame">Contact Us</a>

</body>

</html>

Home File:

<!DOCTYPE html>

<html>

<head>

<title>Home</title>

</head>

<body>

<h2>Welcome to Our College</h2>

<p>Providing quality education for a brighter future.</p>

</body>

</html>

Course File:

<!DOCTYPE html>

<html>

<head>

<title>Courses</title>

</head>

<body>

<h2>Our Courses</h2>

<ul>

<li>Computer Science</li>

<li>Business Administration</li>

<li>Commerce</li>

<li>Engineering</li>

<li>Medical Sciences</li>

</ul>

</body>

</html>

Admission File:

<!DOCTYPE html>

<html>

<head>

<title>Admission</title>

</head>

<body>

<h2>Admission Process</h2>

<p>Fill the online application form and submit the required documents.</p>

</body>

</html>

Contact File:

<!DOCTYPE html>

<html>

<head>

<title>Contact Us</title>

</head>

<body>

<h2>Contact Us</h2>

<p>Email: admission@college.com</p>

<p>Phone: +91 9876543210</p>

</body>

</html>

1. Write a PHP script to accept the details of Voter (ID, Name, Constituency) and display it on same page in tabular format.

<!DOCTYPE html>

<html>

<head>

<title>Voter Details</title>

<style>

table {

width: 50%;

border-collapse: collapse;

margin-top: 20px;

}

th, td {

border: 1px solid black;

padding: 10px;

text-align: center;

}

th {

background-color: #f2f2f2;

}

</style>

</head>

<body>

<h2>Enter Voter Details</h2>

<form method="post">

<label>Voter ID:</label>

<input type="text" name="voter\_id" required><br><br>

<label>Name:</label>

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

<label>Constituency:</label>

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

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

</form>

<?php

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

$voter\_id = $\_POST['voter\_id'];

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

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

echo "<h2>Voter Details</h2>";

echo "<table>";

echo "<tr><th>Voter ID</th><th>Name</th><th>Constituency</th></tr>";

echo "<tr><td>$voter\_id</td><td>$name</td><td>$constituency</td></tr>";

echo "</table>";

}

?>

</body>

</html>

Slip 20:

1. Write a JavaScript code to wish user according to the current time of a system

<!DOCTYPE html>

<html>

<head>

<title>Greeting Based on Time</title>

<script>

function greetUser() {

let hours = new Date().getHours();

let greeting;

if (hours < 12) {

greeting = "Good Morning!";

} else if (hours < 18) {

greeting = "Good Afternoon!";

} else {

greeting = "Good Evening!";

}

document.getElementById("greeting").innerText = greeting;

}

</script>

</head>

<body onload="greetUser()">

<h2 id="greeting"></h2>

</body>

</html>

1. Write a PHP code to check whether given number is palindrome or not. Display the result in red color.

<!DOCTYPE html>

<html>

<head>

<title>Palindrome Number Checker</title>

<style>

.result {

color: red;

font-weight: bold;

}

</style>

</head>

<body>

<h2>Check Palindrome Number</h2>

<form method="post">

<label>Enter a Number:</label>

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

<input type="submit" name="check" value="Check">

</form>

<?php

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

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

$rev = strrev($num);

if ($num == $rev) {

echo "<p class='result'>$num is a Palindrome Number.</p>";

} else {

echo "<p class='result'>$num is not a Palindrome Number.</p>";

}

}

?>

</body>

</html>

Slip 21:

1. Write a javascript code to calculate the sum of even digits of a given number.

<!DOCTYPE html>

<html>

<head>

<title>Sum of Even Digits</title>

<script>

function sumEvenDigits() {

let num = document.getElementById("number").value;

let sum = 0;

for (let digit of num) {

let d = parseInt(digit);

if (d % 2 === 0) {

sum += d;

}

}

document.getElementById("result").innerText = "Sum of even digits: " + sum;

}

</script>

</head>

<body>

<h2>Calculate Sum of Even Digits</h2>

<label>Enter a Number:</label>

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

<button onclick="sumEvenDigits()">Calculate</button>

<p id="result"></p>

</body>

</html>

1. Write a PHP script to validate Email ID.

<!DOCTYPE html>

<html>

<head>

<title>Email Validation</title>

</head>

<body>

<h2>Validate Email ID</h2>

<form method="post">

<label>Enter Email:</label>

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

<input type="submit" name="validate" value="Validate">

</form>

<?php

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

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

if (filter\_var($email, FILTER\_VALIDATE\_EMAIL)) {

echo "<p style='color: green;'>Valid Email ID</p>";

} else {

echo "<p style='color: red;'>Invalid Email ID</p>";

}

}

?>

</body>

</html>

Slip 22:

1. Create an HTML page giving information about celebrating Diwali in your country. Use Various tags in HTML to give it a pleasant look. It should be having following links:

a. Clip of Diwali celebration b. Photos of Diwali celebration c. Information why it is celebrated

<!DOCTYPE html>

<html>

<head>

<title>Diwali Celebration</title>

<style>

body {

background-color: #ffeb99;

font-family: Arial, sans-serif;

text-align: center;

}

h1 {

color: #ff6600;

}

p {

font-size: 18px;

}

.links {

margin-top: 20px;

}

a {

display: block;

margin: 10px;

font-size: 20px;

color: #0066cc;

text-decoration: none;

}

a:hover {

color: #ff0000;

}

</style>

</head>

<body>

<h1>Diwali - The Festival of Lights</h1>

<p>Diwali, also known as Deepavali, is one of the most significant festivals celebrated in India. It symbolizes the victory of light over darkness and good over evil.</p>

<div class="links">

<a href="diwali\_clip.mp4" target="\_blank">Watch Diwali Celebration Clip</a>

<a href="diwali\_photos.html" target="\_blank"> View Diwali Celebration Photos</a>

<a href="diwali\_info.html" target="\_blank"> Why is Diwali Celebrated?</a>

</div>

</body>

</html>

1. Write a PHP script to change initial character of each word from a given string to uppercase.

<!DOCTYPE html>

<html>

<head>

<title>Convert to Title Case</title>

</head>

<body>

<h2>Convert String to Title Case</h2>

<form method="post">

<label>Enter a String:</label>

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

<input type="submit" name="convert" value="Convert">

</form>

<?php

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

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

$convertedString = ucwords($inputString);

echo "<p>Converted String: <strong>$convertedString</strong></p>";

}

?>

</body>

</html>

Slip 23:

1. Design following form in HTML and write a PHP script to display filled information on Web page.

<!DOCTYPE html>

<html>

<head>

<title>Form Submission</title>

</head>

<body>

<?php

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

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

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

$gender = isset($\_POST["gender"]) ? $\_POST["gender"] : "Not selected";

$os = isset($\_POST["os"]) ? implode(", ", $\_POST["os"]) : "None";

echo "<h2>Submitted Information:</h2>";

echo "Name: " . htmlspecialchars($name) . "<br>";

echo "City: " . htmlspecialchars($city) . "<br>";

echo "Gender: " . htmlspecialchars($gender) . "<br>";

echo "Operating System Used: " . htmlspecialchars($os) . "<br><br>";

}

?>

<form method="post">

<label>Enter your name:</label>

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

<label>Select your City:</label>

<select name="city">

<option value="Pune">Pune</option>

<option value="Mumbai">Mumbai</option>

<option value="Delhi">Delhi</option>

</select><br><br>

<label><b>Which Operating System do you have used?</b></label><br>

<input type="checkbox" name="os[]" value="Windows"> Windows

<input type="checkbox" name="os[]" value="Linux"> Linux

<input type="checkbox" name="os[]" value="Mac"> Mac

<br><br>

<label><b>Gender:</b></label>

<input type="radio" name="gender" value="Male"> Male

<input type="radio" name="gender" value="Female"> Female

<br><br>

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

</form>

</body>

</html>

1. Write a PHP code to check whether given number is Armstrong or not

<!DOCTYPE html>

<html>

<head>

<title>Armstrong Number Checker</title>

</head>

<body>

<h2>Check Armstrong Number</h2>

<form method="post">

<label>Enter a Number:</label>

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

<input type="submit" name="check" value="Check">

</form>

<?php

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

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

$sum = 0;

$temp = $num;

$n = strlen((string)$num);

while ($temp > 0) {

$digit = $temp % 10;

$sum += pow($digit, $n);

$temp = (int)($temp / 10);

}

if ($sum == $num) {

echo "<p><strong>$num</strong> is an Armstrong number.</p>";

} else {

echo "<p><strong>$num</strong> is not an Armstrong number.</p>";

}

}

?>

</body>

</html>

Slip 24:

1. Write a javascript code to calculate the sum of first and last digit of a number (Handle onBlur event)

<!DOCTYPE html>

<html>

<head>

<title>Sum of First and Last Digit</title>

</head>

<body>

<h2>Calculate Sum of First and Last Digit</h2>

<label>Enter a Number:</label>

<input type="number" id="numInput" onblur="calculateSum()">

<p id="result"></p>

<script>

function calculateSum() {

let num = document.getElementById("numInput").value;

if (num.length > 0) {

let firstDigit = num[0];

let lastDigit = num[num.length - 1];

let sum = parseInt(firstDigit) + parseInt(lastDigit);

document.getElementById("result").innerText = "Sum: " + sum;

} else {

document.getElementById("result").innerText = "Please enter a valid number.";

}

}

</script>

</body>

</html>

1. Write a PHP script to accept the details of Voter (ID, Name, Constituency) and display it on same page in tabular format.

<!DOCTYPE html>

<html>

<head>

<title>Voter Details</title>

<style>

table {

width: 50%;

border-collapse: collapse;

margin-top: 20px;

}

table, th, td {

border: 1px solid black;

padding: 10px;

text-align: center;

}

</style>

</head>

<body>

<h2>Enter Voter Details</h2>

<form method="post">

<label>Voter ID:</label>

<input type="text" name="voter\_id" required><br><br>

<label>Name:</label>

<input type="text" name="voter\_name" required><br><br>

<label>Constituency:</label>

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

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

</form>

<?php

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

$voter\_id = $\_POST['voter\_id'];

$voter\_name = $\_POST['voter\_name'];

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

echo "<h2>Voter Details</h2>";

echo "<table>

<tr>

<th>Voter ID</th>

<th>Name</th>

<th>Constituency</th>

</tr>

<tr>

<td>$voter\_id</td>

<td>$voter\_name</td>

<td>$constituency</td>

</tr>

</table>";

}

?>

</body>

</html>

Slip 25:

1. Write a JavaScript code to validate Pin Code. (Handle OnBlur event)

<!DOCTYPE html>

<html>

<head>

<title>Pin Code Validation</title>

<style>

body {

font-family: Arial, sans-serif;

text-align: center;

margin-top: 50px;

}

input {

padding: 5px;

font-size: 16px;

}

.error {

color: red;

font-size: 14px;

}

</style>

</head>

<body>

<h2>Pin Code Validation</h2>

<label for="pincode">Enter Pin Code:</label>

<input type="text" id="pincode" onblur="validatePinCode()">

<p id="error-msg" class="error"></p>

<script>

function validatePinCode() {

let pinCode = document.getElementById("pincode").value;

let errorMsg = document.getElementById("error-msg");

let pinPattern = /^[1-9][0-9]{5}$/; // Valid 6-digit pin code pattern

if (!pinPattern.test(pinCode)) {

errorMsg.textContent = "Invalid Pin Code!";

} else {

errorMsg.textContent = "";

}

}

</script>

</body>

</html>

1. Write a javascript code to validate given name, if it is invalid then display the message “Name is Invalid” otherwise display it by using alert() dialog box.

<!DOCTYPE html>

<html>

<head>

<title>Name Validation</title>

<style>

body {

font-family: Arial, sans-serif;

text-align: center;

margin-top: 50px;

}

input {

padding: 5px;

font-size: 16px;

}

.error {

color: red;

font-size: 14px;

}

</style>

</head>

<body>

<h2>Name Validation</h2>

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

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

<button onclick="validateName()">Submit</button>

<p id="error-msg" class="error"></p>

<script>

function validateName() {

let name = document.getElementById("name").value.trim();

let errorMsg = document.getElementById("error-msg");

let namePattern = /^[A-Za-z\s]+$/; // Only letters and spaces allowed

if (!namePattern.test(name) || name === "") {

errorMsg.textContent = "Name is Invalid";

} else {

errorMsg.textContent = "";

alert("Valid Name: " + name);

}

}

</script>

</body>

</html>