Zebra strips

<!DOCTYPE html>

<html>

<head>

    <title>Zebra Stripes Table</title>

    <script src="https://code.jquery.com/jquery-3.6.0.min.js"></script>

    <style>

        /\* Define styles for even and odd rows \*/

        .zebra-stripe-even {

            background-color: #f2f2f2; /\* or your preferred background color \*/

        }

        .zebra-stripe-odd {

            background-color: #ffffff; /\* or your preferred background color \*/

        }

    </style>

</head>

<body>

    <table id="zebra-table">

        <tr>

            <th>Header 1</th>

            <th>Header 2</th>

        </tr>

        <tr>

            <td>Row 1, Column 1</td>

            <td>Row 1, Column 2</td>

        </tr>

        <tr>

            <td>Row 2, Column 1</td>

            <td>Row 2, Column 2</td>

        </tr>

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

    </table>

    <script>

        $(document).ready(function() {

            // Select all even rows (zero-based index) and add a class to style them

            $('#zebra-table tr:even').addClass('zebra-stripe-even');

            // Select all odd rows and add a class to style them

            $('#zebra-table tr:odd').addClass('zebra-stripe-odd');

        });

    </script>

</body>

</html>

Mouse click event

<!DOCTYPE html>

<html>

<head>

    <title>Distinguish Mouse Clicks</title>

    <script src="https://code.jquery.com/jquery-3.6.0.min.js"></script>

</head>

<body>

    <div id="click-result">Click in this area</div>

    <script>

        $(document).ready(function() {

            $("#click-result").on('mousedown', function(event) {

                if (event.which === 1) {

                    // Left mouse button was clicked

                    console.log('Left mouse button clicked');

                } else if (event.which === 3) {

                    // Right mouse button was clicked

                    console.log('Right mouse button clicked');

                }

            });

        });

    </script>

</body>

</html

Change colour

<!DOCTYPE html>

<html>

<head>

  <script src="https://code.jquery.com/jquery-3.6.0.min.js"></script>

  <style>

    /\* Define the default paragraph style \*/

    p {

      color: black;

    }

  </style>

</head>

<body>

<p>Hover over this paragraph to change its color to red.</p>

<script>

$(document).ready(function() {

  $("p").mouseover(function() {

    $(this).css("color", "red");

  });

  $("p").mouseout(function() {

    $(this).css("color", "black");

  });

});

</script>

</body>

</html>

Fade in and fade out

<!DOCTYPE html>

<html>

<head>

  <script src="https://code.jquery.com/jquery-3.6.0.min.js"></script>

  <style>

    .box {

      width: 100px;

      height: 100px;

      background-color: lightblue;

      margin: 10px;

      display: inline-block;

    }

  </style>

</head>

<body>

<div class="box">Box 1</div>

<div class="box">Box 2</div>

<div class="box">Box 3</div>

<button id="fadeInButton">Fade In</button>

<button id="fadeOutButton">Fade Out</button>

<script>

$(document).ready(function() {

  // Add a click event handler for the "Fade In" button

  $("#fadeInButton").click(function() {

    $(".box").fadeIn();

  });

  // Add a click event handler for the "Fade Out" button

  $("#fadeOutButton").click(function() {

    $(".box").fadeOut();

  });

});

</script>

</body>

</html>

Bulb toggle

<!DOCTYPE html>

<html>

<head>

  <script src="https://code.jquery.com/jquery-3.6.0.min.js"></script>

</head>

<body>

<img id="bulb" src="bulb\_off.png" alt="Bulb Off">

<button id="toggleButton">Toggle</button>

<script>

$(document).ready(function() {

  $("#toggleButton").click(function() {

    // Get the current source of the bulb image

    var currentSrc = $("#bulb").attr("src");

    // Toggle the image source based on the current state

    if (currentSrc === "bulb\_off.png") {

      $("#bulb").attr("src", "bulb\_on.png");

    } else {

      $("#bulb").attr("src", "bulb\_off.png");

    }

  });

});

</script>

</body>

</html>

Booking dates

<!DOCTYPE html>

<html>

<head>

  <link rel="stylesheet" href="//code.jquery.com/ui/1.12.1/themes/base/jquery-ui.css">

  <script src="https://code.jquery.com/jquery-3.6.0.min.js"></script>

  <script src="https://code.jquery.com/ui/1.12.1/jquery-ui.js"></script>

  <style>

    label {

      display: block;

      margin-top: 10px;

    }

    input {

      margin-bottom: 10px;

    }

  </style>

</head>

<body>

<label for="checkin">Check-In Date:</label>

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

<label for="checkout">Check-Out Date:</label>

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

<label for="duration">Booking Duration (in days):</label>

<input type="text" id="duration" disabled>

<script>

$(function() {

  $("#checkin, #checkout").datepicker();

  $("#checkin").datepicker("option", "minDate", 0);

  $("#checkin").on("change", function() {

    var selectedDate = new Date($(this).datepicker("getDate"));

    selectedDate.setDate(selectedDate.getDate() + 1);

    $("#checkout").datepicker("option", "minDate", selectedDate);

    updateDuration();

  });

  var maxDate = new Date();

  maxDate.setDate(maxDate.getDate() + 5);

  $("#checkin, #checkout").datepicker("option", "maxDate", maxDate);

  function updateDuration() {

    var checkinDate = $("#checkin").datepicker("getDate");

    var checkoutDate = $("#checkout").datepicker("getDate");

    if (checkinDate && checkoutDate) {

      var duration = (checkoutDate - checkinDate) / (24 \* 60 \* 60 \* 1000);

      $("#duration").val(duration);

    }

  }

});

</script>

</body>

</html>

PHP

Write a program to check whether the entered number is even or odd using PHP.

<!DOCTYPE html>

<html>

<head>

    <title>Even or Odd Checker</title>

</head>

<body>

    <h1>Even or Odd Checker</h1>

    <form method="post">

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

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

    </form>

    <?php

    // Check if the form is submitted

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

        // Get the entered number from the form

        $number = $\_POST["number"];

        // Check if the number is empty or not a valid number

        if (empty($number) || !is\_numeric($number)) {

            echo "Please enter a valid number.";

        } else {

            // Check if the number is even or odd

            if ($number % 2 == 0) {

                echo "$number is even.";

            } else {

                echo "$number is odd.";

            }

        }

    }

    ?>

</body>

</html>

Prime No

<!DOCTYPE html>

<html>

<head>

    <title>Prime Number Checker</title>

</head>

<body>

    <h1>Prime Number Checker</h1>

    <form method="post">

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

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

    </form>

    <?php

    // Function to check if a number is prime

    function isPrime($num) {

        if ($num <= 1) {

            return false; // Numbers less than or equal to 1 are not prime.

        }

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

            if ($num % $i == 0) {

                return false; // If the number is divisible by any integer from 2 to sqrt(num), it's not prime.

            }

        }

        return true; // If no divisors are found, the number is prime.

    }

    // Check if the form is submitted

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

        // Get the entered number from the form

        $number = $\_POST["number"];

        // Check if the number is empty or not a valid number

        if (empty($number) || !is\_numeric($number)) {

            echo "Please enter a valid number.";

        } else {

            if (isPrime((int)$number)) {

                echo "$number is a prime number.";

            } else {

                echo "$number is not a prime number.";

            }

        }

    }

    ?>

</body>

</html>

Armstrong

<!DOCTYPE html>

<html>

<head>

    <title>Armstrong Number Checker</title>

</head>

<body>

    <h1>Armstrong Number Checker</h1>

    <form method="post">

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

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

    </form>

    <?php

    // Function to check if a number is an Armstrong number

    function isArmstrong($num) {

        $originalNumber = $num;

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

        $sum = 0;

        while ($num > 0) {

            $digit = $num % 10;

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

            $num = (int)($num / 10);

        }

        return $originalNumber === $sum;

    }

    // Check if the form is submitted

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

        // Get the entered number from the form

        $number = $\_POST["number"];

        // Check if the number is empty or not a valid number

        if (empty($number) || !is\_numeric($number)) {

            echo "Please enter a valid number.";

        } else {

            if (isArmstrong((int)$number)) {

                echo "$number is an Armstrong number.";

            } else {

                echo "$number is not an Armstrong number.";

            }

        }

    }

    ?>

</body>

</html>

Reverse string

<!DOCTYPE html>

<html>

<head>

    <title>String Reversal</title>

</head>

<body>

    <h1>String Reversal</h1>

    <form method="post">

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

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

    </form>

    <?php

    // Function to reverse a string

    function reverseString($str) {

        return strrev($str);

    }

    // Check if the form is submitted

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

        // Get the entered string from the form

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

        // Check if the string is empty

        if (empty($inputString)) {

            echo "Please enter a string.";

        } else {

            // Reverse the string and display it

            $reversedString = reverseString($inputString);

            echo "Reversed string: " . $reversedString;

        }

    }

    ?>

</body>

</html>

Marks if fail blah blah

<!DOCTYPE html>

<html>

<head>

    <title>Student Grade Checker</title>

</head>

<body>

    <h1>Student Grade Checker</h1>

    <form method="post">

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

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

    </form>

    <?php

    // Check if the form is submitted

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

        // Get the entered marks from the form

        $marks = $\_POST["marks"];

        // Check if the marks are empty or not a valid number

        if (empty($marks) || !is\_numeric($marks)) {

            echo "Please enter valid marks.";

        } else {

            // Check the grade based on the provided conditions

            if ($marks >= 60) {

                echo "Grade: First Division";

            } elseif ($marks >= 45 && $marks <= 59) {

                echo "Grade: Second Division";

            } elseif ($marks >= 33 && $marks <= 44) {

                echo "Grade: Third Division";

            } else {

                echo "Grade: Fail";

            }

        }

    }

    ?>

</body>

</html>

Day of week

<!DOCTYPE html>

<html>

<head>

    <title>Day of the Week</title>

</head>

<body>

    <h1>Day of the Week</h1>

    <form method="post">

        Enter a number (1-7): <input type="text" name="dayNumber">

        <input type="submit" value="Show Day">

    </form>

    <?php

    // Check if the form is submitted

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

        // Get the entered number from the form

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

        // Check if the number is empty or not a valid number

        if (empty($dayNumber) || !is\_numeric($dayNumber)) {

            echo "Please enter a valid number between 1 and 7.";

        } else {

            // Use a switch statement to determine the day based on the number

            switch ($dayNumber) {

                case 1:

                    echo "Day: Monday";

                    break;

                case 2:

                    echo "Day: Tuesday";

                    break;

                case 3:

                    echo "Day: Wednesday";

                    break;

                case 4:

                    echo "Day: Thursday";

                    break;

                case 5:

                    echo "Day: Friday";

                    break;

                case 6:

                    echo "Day: Saturday";

                    break;

                case 7:

                    echo "Day: Sunday";

                    break;

                default:

                    echo "Invalid number. Please enter a number between 1 and 7.";

            }

        }

    }

    ?>

</body>

</html>

Factorial

<!DOCTYPE html>

<html>

<head>

    <title>Factorial Calculator</title>

</head>

<body>

    <h1>Factorial Calculator</h1>

    <form method="post">

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

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

    </form>

    <?php

    // Function to calculate the factorial using recursion

    function factorial($n) {

        if ($n <= 1) {

            return 1;

        } else {

            return $n \* factorial($n - 1);

        }

    }

    // Check if the form is submitted

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

        // Get the entered number from the form

        $number = $\_POST["number"];

        // Check if the number is empty or not a valid integer

        if (empty($number) || !is\_numeric($number) || $number < 0) {

            echo "Please enter a valid non-negative integer.";

        } else {

            // Calculate and display the factorial

            $result = factorial((int)$number);

            echo "Factorial of $number is $result.";

        }

    }

    ?>

</body>

</html>

Electricity Bill

<!DOCTYPE html>

<html>

<head>

    <title>Electricity Bill Calculator</title>

</head>

<body>

    <h1>Electricity Bill Calculator</h1>

    <form method="post">

        Enter the total units consumed: <input type="text" name="units">

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

    </form>

    <?php

    // Function to calculate the electricity bill

    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;

    }

    // Check if the form is submitted

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

        // Get the entered units from the form

        $units = $\_POST["units"];

        // Check if the units are empty or not a valid number

        if (empty($units) || !is\_numeric($units) || $units < 0) {

            echo "Please enter a valid non-negative number of units.";

        } else {

            // Calculate and display the electricity bill

            $bill = calculateElectricityBill((int)$units);

            echo "Your electricity bill for $units units is Rs. $bill";

        }

    }

    ?>

</body>

</html>

Bubble Sort

<!DOCTYPE html>

<html>

<head>

    <title>Bubble Sort in PHP</title>

</head>

<body>

    <h1>Bubble Sort in PHP</h1>

    <?php

    // Function to perform Bubble Sort on an array

    function bubbleSort($arr) {

        $n = count($arr);

        for ($i = 0; $i < $n - 1; $i++) {

            $swapped = false;

            for ($j = 0; $j < $n - $i - 1; $j++) {

                if ($arr[$j] > $arr[$j + 1]) {

                    // Swap arr[j] and arr[j + 1]

                    $temp = $arr[$j];

                    $arr[$j] = $arr[$j + 1];

                    $arr[$j + 1] = $temp;

                    $swapped = true;

                }

            }

            // If no two elements were swapped in the inner loop, the array is already sorted

            if (!$swapped) {

                break;

            }

        }

        return $arr;

    }

    // Example array to be sorted

    $unsortedArray = [64, 25, 12, 22, 11];

    // Call the Bubble Sort function

    $sortedArray = bubbleSort($unsortedArray);

    // Display the sorted array

    echo "<p>Original array: " . implode(", ", $unsortedArray) . "</p>";

    echo "<p>Sorted array: " . implode(", ", $sortedArray) . "</p>";

    ?>

</body>

</html>

Student Database

<!DOCTYPE html>

<html>

<head>

    <title>Student Database</title>

</head>

<body>

    <h1>Student Database</h1>

    <?php

    // Database connection (replace with your database credentials)

    $servername = "localhost";

    $username = "your\_username";

    $password = "your\_password";

    $dbname = "your\_database";

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

    if ($conn->connect\_error) {

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

    }

    // CREATE operation

    if (isset($\_POST['create'])) {

        $name = $\_POST['name'];

        $email = $\_POST['email'];

        $sql = "INSERT INTO students (name, email) VALUES ('$name', '$email')";

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

            echo "Record created successfully.";

        } else {

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

        }

    }

    // READ operation

    $read\_query = "SELECT \* FROM students";

    $result = $conn->query($read\_query);

    if ($result->num\_rows > 0) {

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

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

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

            echo "<tr><td>" . $row["id"] . "</td><td>" . $row["name"] . "</td><td>" . $row["email"] . "</td></tr>";

        }

        echo "</table>";

    } else {

        echo "No records found.";

    }

    // UPDATE operation

    if (isset($\_POST['update'])) {

        $id = $\_POST['id'];

        $name = $\_POST['name'];

        $email = $\_POST['email'];

        $update\_sql = "UPDATE students SET name='$name', email='$email' WHERE id='$id'";

        if ($conn->query($update\_sql) === TRUE) {

            echo "Record updated successfully.";

        } else {

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

        }

    }

    // DELETE operation

    if (isset($\_POST['delete'])) {

        $id = $\_POST['id'];

        $delete\_sql = "DELETE FROM students WHERE id='$id'";

        if ($conn->query($delete\_sql) === TRUE) {

            echo "Record deleted successfully.";

        } else {

            echo "Error deleting record: " . $conn->error;

        }

    }

    // Close the database connection

    $conn->close();

    ?>

    <h2>Create Student Record</h2>

    <form method="post">

        Name: <input type="text" name="name">

        Email: <input type="text" name="email">

        <input type="submit" name="create" value="Create">

    </form>

    <h2>Update Student Record</h2>

    <form method="post">

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

        Name: <input type="text" name="name">

        Email: <input type="text" name="email">

        <input type="submit" name="update" value="Update">

    </form>

    <h2>Delete Student Record</h2>

    <form method="post">

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

        <input type="submit" name="delete" value="Delete">

    </form>

</body>

</html>

Train Reservation

<!DOCTYPE html>

<html>

<head>

    <title>Train Reservation System</title>

</head>

<body>

    <h1>Train Reservation System</h1>

    <?php

    // Define train details

    $trainName = "Sample Express";

    $departureDate = "2023-11-01";

    $arrivalDate = "2023-11-10";

    $amount = 1000;

    // Display train details

    echo "<h2>Train Details</h2>";

    echo "<p>Train Name: $trainName</p>";

    echo "<p>Departure Date: $departureDate</p>";

    echo "<p>Arrival Date: $arrivalDate</p>";

    echo "<p>Amount: Rs. $amount</p>";

    // Handle booking form

    if (isset($\_POST['book'])) {

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

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

        // Display booking details

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

        echo "<p>Passenger Name: $passengerName</p>";

        echo "<p>Passenger Age: $passengerAge</p>";

        echo "<p>Train Name: $trainName</p>";

        echo "<p>Departure Date: $departureDate</p>";

        echo "<p>Amount: Rs. $amount</p>";

        echo "<p>Booking confirmed!</p>";

    }

    ?>

    <h2>Book a Ticket</h2>

    <form method="post">

        Passenger Name: <input type="text" name="passengerName"><br>

        Passenger Age: <input type="text" name="passengerAge"><br>

        <input type="submit" name="book" value="Book Ticket">

    </form>

</body>

</html>