TITLE : 8) Program on PHP string operations.

CODE:  
<?php

// String Operations in PHP

// 1. String Initialization

$string1 = "Hello";

$string2 = "World";

$combinedString = $string1 . " " . $string2;

// 2. String Length

$stringLength = strlen($combinedString);

// 3. Substring Extraction

$substring = substr($combinedString, 0, 5); // Extracts "Hello"

// 4. String Replacement

$replacedString = str\_replace("World", "PHP", $combinedString); // Replaces "World" with "PHP"

// 5. String to Uppercase and Lowercase

$uppercaseString = strtoupper($combinedString); // Converts to "HELLO WORLD"

$lowercaseString = strtolower($combinedString); // Converts to "hello world"

// 6. Finding a Substring

$position = strpos($combinedString, "World"); // Finds the position of "World"

// 7. String Trimming

$trimmedString = trim("   Hello World   "); // Removes spaces from the start and end

// Output Results

?>

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

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

    <title>PHP String Operations</title>

    <style>

        body {

            font-family: Arial, sans-serif;

            margin: 20px;

            background-color: #f4f4f4;

        }

        .output {

            background-color: #ffffff;

            padding: 15px;

            border-radius: 5px;

            box-shadow: 0 2px 5px rgba(0, 0, 0, 0.1);

            margin-bottom: 20px;

        }

        h1 {

            color: #007bff;

        }

    </style>

</head>

<body>

<h1>PHP String Operations Example</h1>

<div class="output">

    <h2>1. String Initialization</h2>

    <p><strong>String 1:</strong> <?php echo $string1; ?></p>

    <p><strong>String 2:</strong> <?php echo $string2; ?></p>

    <p><strong>Combined String:</strong> <?php echo $combinedString; ?></p>

</div>

<div class="output">

    <h2>2. String Length</h2>

    <p><strong>Length of Combined String:</strong> <?php echo $stringLength; ?></p>

</div>

<div class="output">

    <h2>3. Substring Extraction</h2>

    <p><strong>Extracted Substring:</strong> <?php echo $substring; ?></p>

</div>

<div class="output">

    <h2>4. String Replacement</h2>

    <p><strong>Replaced String:</strong> <?php echo $replacedString; ?></p>

</div>

<div class="output">

    <h2>5. String Case Conversion</h2>

    <p><strong>Uppercase String:</strong> <?php echo $uppercaseString; ?></p>

    <p><strong>Lowercase String:</strong> <?php echo $lowercaseString; ?></p>

</div>

<div class="output">

    <h2>6. Finding a Substring</h2>

    <p><strong>Position of "World":</strong> <?php echo $position !== false ? $position : 'Not found'; ?></p>

</div>

<div class="output">

    <h2>7. String Trimming</h2>

    <p><strong>Trimmed String:</strong> "<?php echo $trimmedString; ?>"</p>

</div>

</body>

</html>

OUTPUT:  
  
