Experiment 6

<!DOCTYPE html>

<html>

<head>

<title>PHP Digit Sum and Palindrome Check</title>

</head>

<body>

<h2>Enter a Number</h2>

<form method="post">

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

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

</form>

<?php

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

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

$original = $number;

// Sum of Individual Digits

$sum = 0;

$temp = $number;

while ($temp > 0) {

$digit = $temp % 10;

$sum += $digit;

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

}

// Palindrome Check

$reversed = strrev($number);

$isPalindrome = ($reversed == $original);

echo "<h3>Results for Number: $original</h3>";

echo "Sum of digits: $sum<br>";

echo "Palindrome Check: " . ($isPalindrome ? "Yes, it is a Palindrome!" : "No, it is not a Palindrome.");

}

?>

</body>

</html>