<!DOCTYPE html>

<html>

<head>

<title>Power of Four Checker</title>

</head>

<body>

<h2>Power of Four Checker</h2>

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

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

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

</form>

<?php

// Check if the form is submitted

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

// Retrieve the integer from the form

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

// Check if the input is a valid positive integer

if (is\_numeric($number) && is\_int((int)$number) && $number > 0) {

$originalNumber = $number;

// Check if the number is a power of four

while ($number > 1) {

if ($number % 4 !== 0) {

echo "<p>$originalNumber is not a power of four.</p>";

break;

}

$number /= 4;

}

if ($number === 1) {

echo "<p>$originalNumber is a power of four.</p>";

}

} else {

echo "<p>Please enter a valid positive integer.</p>";

}

}

?>

</body>

</html>