Write a PHP program to find factorial of a number using recursive function. Take Input via

Prompt function and show output on browser screen

<!DOCTYPE html>

<html>

<head>

<title>Factorial Calculator</title>

</head>

<body>

<?php

// Function to calculate factorial using recursion

function calculateFactorial($n) {

if ($n === 0 || $n === 1) {

return 1;

} else {

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

}

}

// Check if form is submitted

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

// Get input from the textbox

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

// Validate input (check if it's a valid number)

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

// Calculate factorial

$factorial = calculateFactorial($number);

echo "Factorial of $number is: $factorial";

} else {

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

}

}

?>

<!-- Form to input the number -->

<form method="post" action="<?php echo $\_SERVER['PHP\_SELF']; ?>">

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

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

</form>

</body>

</html>