**index.php**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<meta http-equiv="X-UA-Compatible" content="ie=edge">

<title>Factorial</title>

<link rel="stylesheet" href="./css/bootstrap.min.css">

</head>

<body>

<?php

function factorial($number) {

$fact = 1;

for ($i=2; $i <= $number; $i++) {

$fact \*= $i;

}

return $fact;

}

?>

<div class="container">

<div class="row">

<div class="col-sm-12">

<h1 class="text-primary">Show factorial of given number</h1>

<hr>

<form class="form-inline" action="<?php echo $\_SERVER['PHP\_SELF']; ?>">

<div class="form-group">

<label for="number">Number: </label>

&nbsp;&nbsp;

<input type="number" name="number" id="number" class="form-control">

</div>

&nbsp;&nbsp;

<button type="submit" class="btn btn-primary">Show</button>

</form>

<br>

<h4>

<?php

if (isset($\_GET['number'])) {

$number = (int) $\_GET['number'];

echo 'Factorial = ' . factorial($number);

}

?>

</h4>

</div>

</div>

</div>

<script src="./js/bootstrap.min.js"></script>

</body>

</html>

