

- OPEN FILES
- FOLDERS
- lab07
 - factorial.html
 - factorial_with_get.php
 - mathfunctions.php

```
<!DOCTYPE html>
<html>
<head>
  <title>Factorial Form</title>
</head>
<body>
  <h1>Factorial Form</h1>
  <form action="factorial_with_get.php" method="get">
    <label for="number">Enter a positive integer:</label>
    <input type="text" id="number" name="number" required>
    <input type="submit" value="Calculate Factorial">
  </form>
</body>
</html>
```



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```
<? 1 <!DOCTYPE html>
2 <body>
3 <?php
4     include("mathfunctions.php")
5 ?>
6 <h1> Factorial </h1>
7 <?php
8     if (isset ($_GET["number"])) {
9         $num = $_GET["number"];
10        if (isPositiveInteger($num)) {
11            echo "<p>", $num, "! is ", factorial ($num), "</p>";
12        } else {
13            echo "<p>Please enter a positive integer.</p>";
14        }
15    }
16    echo "<p><a href='factorial.html'>Return to the Entry Page</a></p>";
17 ?>
18 </body>
```



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```
1 <?php
2 /* mathfunctions.php
3    Collection of user-defined maths functions
4    Like any code you should start your file with a header comment
5    Author: A. Tutor
6 */
7
8
9 function factorial ($n) { // declare the factorial function
10     $result = 1;        // declare and initialise the result variable
11     $factor = $n;       // declare and initialise the factor variable
12     while ($factor > 1) { // loop to multiply all factors until 1
13         $result = $result * $factor;
14         $factor--;      // next factor
15     }                  // Note that the factor 1 is not multiplied
16     return $result;
17 }
18
19 function isPositiveInteger ($n) {
20     $result = false;
21     if (is_numeric($n))
22         if ($n == floor($n))
23             if ($n > 0)
24                 $result = true;
25     return $result;
26 }
27 ?>
28
```



Apache/2.4.6 Server at mercury.swin.edu.au Port 443

A long, horizontal dock bar filled with various application icons. The icons include system utilities like Spotlight, Launchpad, Activity Monitor, and System Preferences; web browsers like Chrome, Firefox, and Safari; social media and communication apps like Zalo, Messenger, and Discord; productivity tools like Microsoft Office (Word, Excel, PowerPoint), Adobe Creative Cloud (Xd, Ae, Ps, Pr, Lr), and Adobe Photoshop; and games like Epic Games and Angry Birds. The dock is set against a dark background and has a glass-like effect with rounded corners.

