

## Discussion web

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**Fourth stage - network - morning**

## Discussion //

1. Which the preference single or double quotes for PHP developers and why?

**The choice between single and double quotes in PHP often depends on the specific use case and personal preferences. Both single and double quotes serve similar purposes, but there are subtle differences between them:**

### **Variable Interpolation:**

- **Double quotes allow variable interpolation, meaning that variables inside the string are expanded and their values are included.**
- **Single quotes treat everything literally, and variables are not interpolated.**

### **Escape Sequences:**

- **Escape sequences (like `\n` for a new line or `\t` for a tab) work in double-quoted strings but are treated as literal characters in single-quoted strings.**

2. If you forget the semicolon in the end statement of PHP code, what will PHP processor display for your code, try this by writing a small program in PHP?

**If you forget the semicolon at the end of a statement in PHP, it will result in a syntax error. The PHP interpreter will display an error message indicating that there is a parsing error and it will point to the line where the error occurred.**

3. Write a script to include a web page called page1 in another web page called page2 use include and require, explain the deference between them and discuss what is the useful from using the include files?.

When we used ( require ) function with other page that does not exist. The code will show a error message

Ex:

lec1.php X function.php

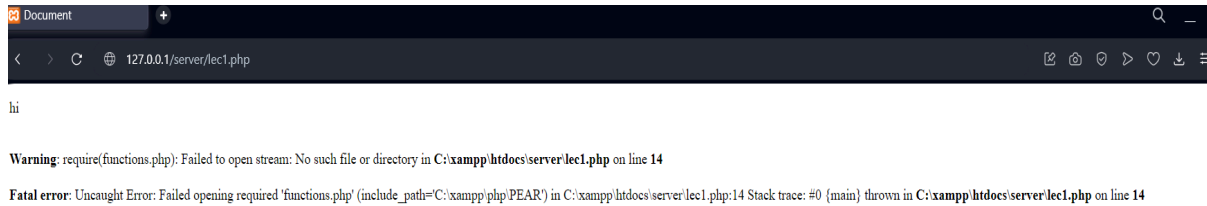
lec1.php

```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4 |   <meta charset="UTF-8">
5 |   <meta name="viewport" content="width=device-width, initial-scale=1.0">
6 |   <title>Document</title>
7 </head>
8 <body>
9 |   <p>hi</p>
10 <?php
11 // index.php
12
13 // Include the function.php file
14 require 'functions.php';
15
16 // Use the calculateSquare function
17 $number = 5;
18 $square = calculateSquare($number);
19
20 // Display the result
21 echo "The square of $number is: $square";
22 ?>
23
24 <p> welcome </p>
25 </body>
26 </html>
```

lec1.php function.php X

function.php > ...

```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4 |   <meta charset="UTF-8">
5 |   <meta name="viewport" content="width=device-width, initial-scale=1.0">
6 |   <title>Document</title>
7 </head>
8 <body>
9 <?php
10 // math_functions.php
11
12 1 reference
13 function calculateSquare($number) {
14 |   return $number * $number;
15 }
16 ?>
17
18 </body>
19 </html>
```



```
Document +
127.0.0.1/server/lec1.php
hi
Warning: require(functions.php): Failed to open stream: No such file or directory in C:\xampp\htdocs\server\lec1.php on line 14
Fatal error: Uncaught Error: Failed opening required 'functions.php' (include_path='C:\xampp\php\PEAR') in C:\xampp\htdocs\server\lec1.php:14 Stack trace: #0 {main} thrown in C:\xampp\htdocs\server\lec1.php on line 14
```

But if we use Include function:

If the file specified in include is not found or encounters an error during inclusion, PHP will generate a warning and continue executing the script.

The script will not halt, and the execution continues with the rest of the code.

The choice between them depends on whether you want the script to continue executing with a warning (for include) or stop with a fatal error (for require). Using include files is a good practice for code organization, reusability, and maintainability.