

# PHP

## 2021 02 26

[https://web.fg.tp.edu.tw/~tcp/PHP/pdf/PHP\\_%E5%9F%BA%E6%9C%AC%E8%AA%9E%E6%B3%95.pdf](https://web.fg.tp.edu.tw/~tcp/PHP/pdf/PHP_%E5%9F%BA%E6%9C%AC%E8%AA%9E%E6%B3%95.pdf)

```
php.ini x +
< > ↺ ⬆ 檔案 | C:/xampp/php/php.ini

[PHP]

;;;;;;;;;;;;;;;;;;;;;;;;
; About php.ini ;
;;;;;;;;;;;;;;;;;;;;;;;;
; PHP's initialization file, generally called php.ini, is responsible for
; configuring many of the aspects of PHP's behavior.

; PHP attempts to find and load this configuration from a number of locations.
; The following is a summary of its search order:
; 1. SAPI module specific location.
; 2. The PHPRC environment variable. (As of PHP 5.2.0)
; 3. A number of predefined registry keys on Windows (As of PHP 5.2.0)
; 4. Current working directory (except CLI)
; 5. The web server's directory (for SAPI modules), or directory of PHP
; (otherwise in Windows)
; 6. The directory from the --with-config-file-path compile time option, or the
; Windows directory (usually C:\windows)
; See the PHP docs for more specific information.
; http://php.net/configuration.file

; The syntax of the file is extremely simple. Whitespace and lines
; beginning with a semicolon are silently ignored (as you probably guessed).
; Section headers (e.g. [Foo]) are also silently ignored, even though
; they might mean something in the future.

; Directives following the section heading [PATH=/www/mysite] only
; apply to PHP files in the /www/mysite directory. Directives
; following the section heading [HOST=www.example.com] only apply to
; PHP files served from www.example.com. Directives set in these
; special sections cannot be overridden by user-defined INI files or
; at runtime. Currently, [PATH=] and [HOST=] sections only work under
; CGI/FastCGI.
; http://php.net/ini.sections

; Directives are specified using the following syntax:
; directive = value
; Directive names are "case sensitive" - foo=bar is different from FOO=bar.
; Directives are variables used to configure PHP or PHP extensions.
; There is no name validation. If PHP can't find an expected
; directive because it is not set or is mistyped, a default value will be used.

; The value can be a string, a number, a PHP constant (e.g. E_ALL or M_PI), one
; of the INI constants (On, Off, True, False, Yes, No and None) or an expression
; (e.g. E_ALL & ~E_NOTICE), a quoted string ("bar"), or a reference to a
; previously set variable or directive (e.g. ${foo})

; Expressions in the INI file are limited to bitwise operators and parentheses:
; | bitwise OR
; ^ bitwise XOR
; & bitwise AND
; ~ bitwise NOT
; ! boolean NOT

; Boolean flags can be turned on using the values 1, On, True or Yes.
; They can be turned off using the values 0, Off, False or No.

; An empty string can be denoted by simply not writing anything after the equal
; sign, or by using the None keyword:

; foo = ; sets foo to an empty string
; foo = None ; sets foo to an empty string
; foo = "None" ; sets foo to the string 'None'
```

C:\xampp\htdocs\E040\PHP A 1.php - Notepad++

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PHP A 1.php

```
1 <HTML>
2 <HEAD>
3 </HEAD>
4 <BODY>
5 <h2>我的第一個 PHP 程式</h2>
6 <?php
7 echo "山中相送罷，日暮掩柴扉。";
8 echo "春草明年綠，王孫歸不歸？";
9 ?>
10 </BODY>
11 </HTML>
12
13
```



Your script:

```
1 <HTML>
2 <HEAD>
3 </HEAD>
4 <BODY>
5 <h2>我的第一個 PHP 程式</h2>
6 <?php
7 echo "山中相送罷，日暮掩柴扉。";
8 echo "春草明年綠，王孫歸不歸？";
9 ?>
10 </BODY>
11 </HTML>
```

Run on PHP version: 8.0.0

Output: Textbox

Execute code Save or share your code

Result:

```
<HTML>
<HEAD>
</HEAD>
<BODY>
<h2>我的第一個 PHP 程式</h2>
山中相送罷，日暮掩柴扉。春草明年綠，王孫歸不歸？</BODY>
</HTML>
```

PHP info 函數是 PHP 設計師用來了解系統上PHP大量資訊的重要函數，舉凡 PHP 的版本（PHP version）、擴展（extensions）、伺服器訊息（server information）、伺服器環境（environment）設定作業系統版本資訊（OS version information）、PHP許可證（PHP License）、http 標頭（HTTP headers）、paths ... 等，都可以用 phpinfo 函數來檢查，所以 phpinfo 是個非常有價值的工具

#### PHP info 函數的應用範例寫法一

```
<?php  
phpinfo();  
?>
```

#### PHP info 函數的應用範例寫法二

```
<?php  
echo phpinfo();  
?>
```

這位可以看到我們這裡寫了兩種不同的 phpinfo 函數用法，其實一般的情況下，第一種寫法就能顯示出 PHP 資訊，不過如果沒有秀出我們要的資訊，也可以考慮用第二種寫法試試看，有時候伺服器的設定要這樣寫才有效。

其實 phpinfo 函數的用法真的很簡單，只是很多設計師會忽略掉安全的問題，測試完的 phpinfo 檔案並未刪除，留在伺服器上，如此一來，任何人都可能有意無意的開啟，從中找出漏洞，例如已知的 PHP 版本漏洞或 BUG，所以強烈建議不要把含有 phpinfo 函數的檔案留在伺服器上，每次看完就刪除，這樣比較保險些。

C:\xampp\htdocs\E040\PHP A 2.php - Notepad++

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PHP A 1.php x PHP A 2.php x

```
1 <!doctype html>
2 <html>
3   <head>
4     <meta charset="utf-8">
5     <title>我的第一個PHP程式</title>
6   </head>
7   <body>
8     <?php
9       echo ("Hello World!");
10      phpinfo();
11    ?>
12  </body>
13 </html>
```

Your script:

```
1 <!doctype html>
2 <html>
3   <head>
4     <meta charset="utf-8">
5     <title>我的第一個PHP程式</title>
6   </head>
7   <body>
8     <?php
9       echo("Hello World!");
10      phpinfo();
11    ?>
12  </body>
13 </html>
```

Result:

```
<!doctype html>
<html>
  <head>
    <meta charset="utf-8">
    <title>我的第一個PHP程式</title>
  </head>
  <body>
    Hello World!<br />
    <b>Fatal error</b>: Uncaught Error: Call to undefined function phpinfo() in [...]
    [...]10
    Stack trace:
    #0 {main}
      thrown in <b>[...]</b> on line <b>10</b><br />
```

Hello World!

## PHP Version 8.0.2



System	Windows NT DESKTOP-98295BM 10.0 build 19042 (Windows 10) AMD64
Build Date	Feb 3 2021 18:29:02
Build System	Microsoft Windows Server 2016 Standard [10.0.14393]
Compiler	Visual C++ 2019
Architecture	x64
Configure Command	cmd /c script /nologo /e %script configure.js --enable-snapshot-build --enable-debug-pack --with-pdo-oci=c:\php-snap-build\dep-aux\oracle\v64\instantclient_19_9\sdk,shared --with-oci8-12c=c:\php-snap-build\dep-aux\oracle\v64\instantclient_12_1\sdk,shared --with-oci8-19c=c:\php-snap-build\dep-aux\oracle\v64\instantclient_19_9\sdk,shared --enable-object-out-dir=.\obj --enable-com-dotnet=shared --without-analyzer --with-pgo
Server API	Apache 2.0 Handler
Virtual Directory Support	enabled
Configuration File (php.ini) Path	no value
Loaded Configuration File	C:\xampp\php\php.ini
Scan this dir for additional .ini files	(none)
Additional .ini files parsed	(none)
PHP API	20200930
PHP Extension	20200930
Zend Extension	420200930
Zend Extension Build	API420200930,TS,VS16
PHP Extension Build	API20200930,TS,VS16
Debug Build	no
Thread Safety	enabled
Thread API	Windows Threads
Zend Signal Handling	disabled
Zend Memory Manager	enabled
Zend Multibyte Support	provided by mbstring
IPv6 Support	enabled
DTrace Support	disabled
Registered PHP Streams	php, file, glob, data, http, ftp, zip, compress.zlib, compress.bzip2, https, ftps, phar
Registered Stream Socket Transports	tcp, udp, ssl, tls, tlsv1.0, tlsv1.1, tlsv1.2, tlsv1.3
Registered Stream Filters	convert.iconv.*, string.rot13, string.toupper, string.tolower, convert.*, consumed, dechunk, zlib.*, bzip2.*

This program makes use of the Zend Scripting Language Engine:  
Zend Engine v4.0.2, Copyright (c) Zend Technologies

## Configuration



C:\xampp\htdocs\E040\PHP A 3.php - Notepad++

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PHP A 3.php

```
1 <!doctype html>
2 <html>
3   <head>
4     <meta charset="utf-8">
5     <title>我的第一個PHP程式</title>
6   </head>
7   <body>
8     <?php
9       include_once("demo.inc");
10    ?>
11  </body>
12 </html>
```

#### Your script:

```
1 <!doctype html>
2 <html>
3   <head>
4     <meta charset="utf-8">
5     <title>我的第一個PHP程式</title>
6   </head>
7   <body>
8     <?php
9       include_once("demo.inc");
10    ?>
11  </body>
12 </html>
```

#### Result:

```
<!doctype html>
<html>
  <head>
    <meta charset="utf-8">
    <title>我的第一個PHP程式</title>
  </head>
  <body>
    <br />
    <b>Warning</b>: include_once(demo.inc): Failed to open stream: No such file or directory
    in <b>[...][...]</b> on line <b>9</b><br />
    <br />
    <b>Warning</b>: include_once(): Failed opening 'demo.inc' for inclusion
    (include_path='.:') in <b>[...][...]</b> on line <b>9</b><br />
  </body>
</html>
```

C:\xampp\htdocs\E040\demo.inc - Notepad++

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PHP A 3.php demo.inc

```
1 <?php
2 //檔案名稱:demo.inc
3 // 單行註解comment:This is a single-line comment
4 # This is also a single-line comment
5
6     echo("Hello World!");
7     phpinfo();
8
9     /*
10     多行註解comment
11     This is a multiple-lines comment block
12     that spans over multiple
13     lines
14     */
15 ?>
```

#### Your script:

```
1 <?php
2 //檔案名稱:demo.inc
3 // 單行註解comment:This is a single-line comment
4 # This is also a single-line comment
5
6     echo("Hello World!");
7     phpinfo();
8
9     /*
10     多行註解comment
11     This is a multiple-lines comment block
12     that spans over multiple
13     lines
14     */
15 ?>
```

#### Result:

```
Hello World!<br />
<b>Fatal error</b>: Uncaught Error: Call to undefined function phpinfo() in [...]:7
Stack trace:
#0 {main}
  thrown in <b>[...]</b> on line <b>7</b><br />
```



Hello World!

## PHP Version 8.0.2



System	Windows NT DESKTOP-98295BM 10.0 build 19042 (Windows 10) AMD64
Build Date	Feb 3 2021 18:29:02
Build System	Microsoft Windows Server 2016 Standard [10.0.14393]
Compiler	Visual C++ 2019
Architecture	x64
Configure Command	cscrip /nologo /e:jscript configure.js "--enable-snapshot-build" "--enable-debug-pack" "--with-pdo-oci=c:\php-snap-build\dep-aux\oracle\v64\instantclient_19_9\sdk,shared" "--with-oci8-12c=c:\php-snap-build\dep-aux\oracle\v64\instantclient_12_1\sdk,shared" "--with-oci8-19c=c:\php-snap-build\dep-aux\oracle\v64\instantclient_19_9\sdk,shared" "--enable-object-out-dir=.\obj/" "--enable-com-dotnet=shared" "--without-analyzer" "--with-pgo"
Server API	Apache 2.0 Handler
Virtual Directory Support	enabled
Configuration File (php.ini) Path	no value
Loaded Configuration File	C:\xampp\php\php.ini
Scan this dir for additional .ini files	(none)
Additional .ini files parsed	(none)
PHP API	20200930
PHP Extension	20200930
Zend Extension	420200930
Zend Extension Build	API420200930,TS,VS16
PHP Extension Build	API20200930,TS,VS16
Debug Build	no
Thread Safety	enabled
Thread API	Windows Threads
Zend Signal Handling	disabled
Zend Memory Manager	enabled
Zend Multibyte Support	provided by mbstring
IPv6 Support	enabled
DTrace Support	disabled
Registered PHP Streams	php, file, glob, data, http, ftp, zip, compress.zlib, compress.bzip2, https, ftps, phar
Registered Stream Socket Transports	tcp, udp, ssl, tls, tlsv1.0, tlsv1.1, tlsv1.2, tlsv1.3
Registered Stream Filters	convert.iconv.*, string.rot13, string.toupper, string.tolower, convert.*, consumed, dechunk, zlib.*, bzip2.*

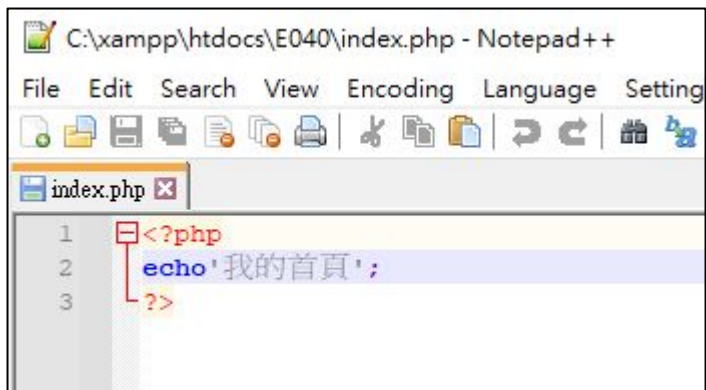
This program makes use of the Zend Scripting Language Engine:  
Zend Engine v4.0.2, Copyright (c) Zend Technologies

## Configuration



## 建立首頁

index.php

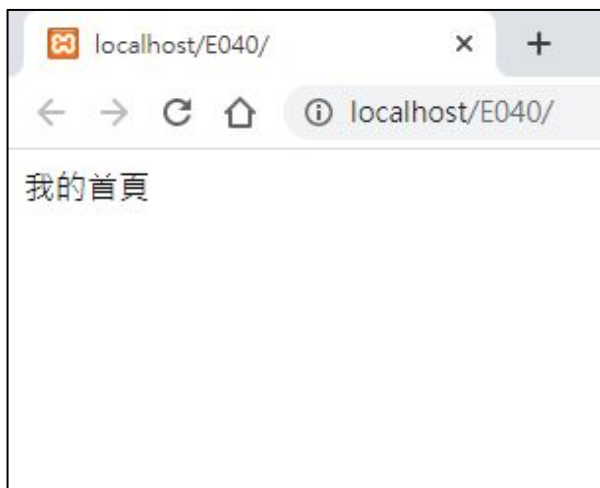


C:\xampp\htdocs\E040\index.php - Notepad++

File Edit Search View Encoding Language Setting

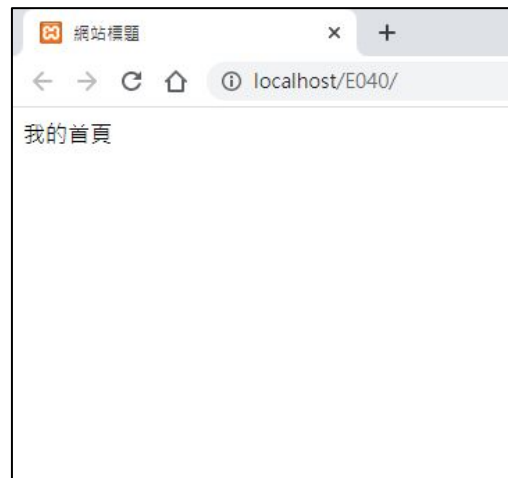
index.php

```
1 <?php
2 echo '我的首頁';
3 ?>
```



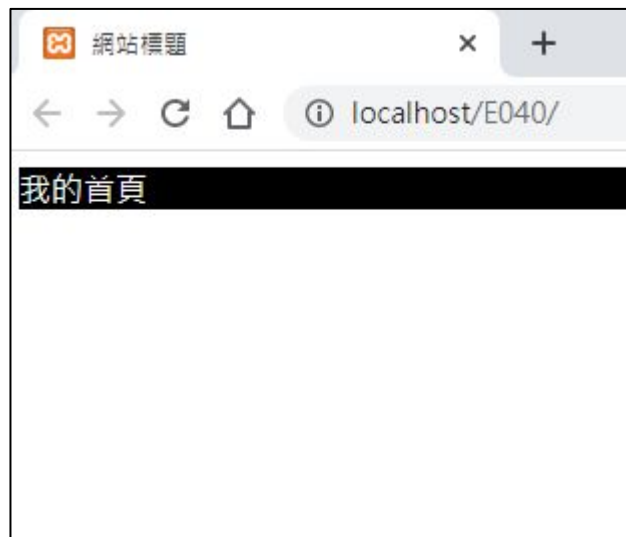
## 結合HTML

```
C:\xampp\htdocs\E040\index.php - Notepad++  
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?  
index.php  
1 <?php  
2     $title = '網站標題';  
3     $string = '我的首頁';  
4 ?>  
5 <!DOCTYPE html>  
6 <html lang="en">  
7 <head>  
8     <meta charset= "UTF-8">  
9     <meta name="viewport" content="width=device-width, initial -scale=1.0">  
10    <meta http-equiv="X-UA-Compatible" content="ie=edge">  
11    <title><?php echo $title; ?></title>  
12 </head>  
13 <body>  
14    <?php echo $string; ?>  
15 </body>  
16 </html>
```



## 結合CSS

```
C:\xampp\htdocs\E040\index.php - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
index.php x
1 <?php
2     $title = '網站標題';
3     $string = '我的首頁';
4 ?>
5 <!DOCTYPE html>
6 <html lang="en">
7 <head>
8     <meta charset="UTF-8">
9     <meta name="viewport" content="width=device-width, initial-scale=1.0">
10    <meta http-equiv="X-UA-Compatible" content="ie=edge">
11    <title><?php echo $title; ?></title>
12    <style>
13        .mystyle{
14            background-color: black;
15            color: white;
16        }
17    </style>
18 </head>
19 <body>
20     <div class="mystyle">
21         <?php echo $string; ?>
22     </div>
23 </body>
24 </html>
```



## 結合JavaScript

```
index.php x
1 <?php
2     $title = '網站標題';
3     $string = '我的首頁';
4 >?>
5 <!DOCTYPE html>
6 <html lang="en">
7 <head>
8     <meta charset= "UTF-8">
9     <meta name="viewport" content="width=device-width, initial -scale=1.0">
10    <meta http-equiv="X-UA-Compatible" content="ie=edge">
11    <title><?php echo $title; ?></title>
12    <style>
13        .mystyle{
14            background-color: black;
15            color: white;
16        }
17    </style>
18 </head>
19 <body>
20     <div class="mystyle">
21         <?php echo $string; ?>
22     </div>
23     <input onclick="myFunction()" type="button" value="點我">
24 </body>
25 </html>
26 <script>
27     function myFunction(){
28         alert('彈跳訊息!!');
29     }
30 </script>
```



localhost 顯示

彈跳訊息!!

確定





C:\xampp\htdocs\E040\註解.php - Notepad++

File Edit Search View Encoding Language Settings Tools Macro Run

註解.php

```
1 <?php
2     echo "這是個測試!"; // 這是 C++註解風格
3     /* 這是多行
4        註解的方式 */
5     echo "這是其他的測試!";
6     echo "最後的測試"; #This is shell-style comment
7 ?>
```

Your script:

```
1 <?php
2     echo "這是個測試!"; // 這是 C++註解風格
3     /* 這是多行
4        註解的方式 */
5     echo "這是其他的測試!";
6     echo "最後的測試"; #This is shell-style comment
7 ?>
```

Result:

這是個測試!這是其他的測試!最後的測試

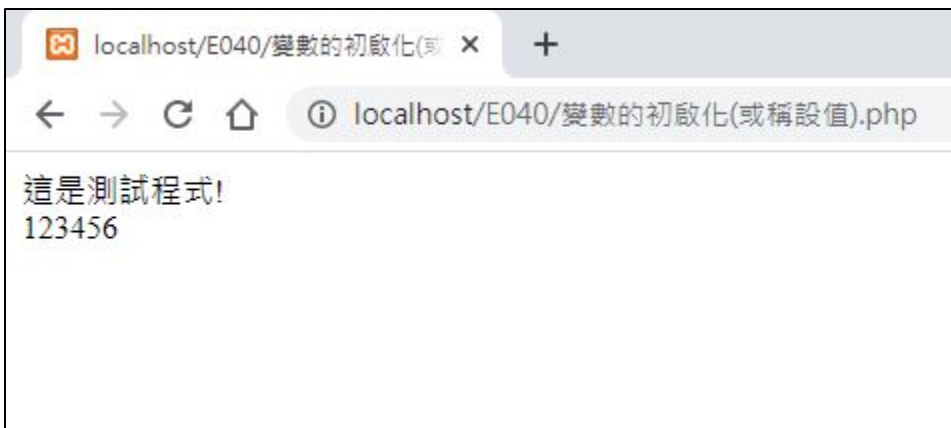


C:\xampp\htdocs\E040\變數的初啟化(或稱設值).php - Notepad++

File Edit Search View Encoding Language Settings Tools Mac

變數的初啟化(或稱設值).php

```
1 <?php
2     $a = "這是測試程式! <BR>";
3     echo $a;
4
5     $a = "12345";
6     echo ($a * 10 + 6);
7 ?>
```



C:\xampp\htdocs\E040\變數的變數(或稱參照).php - Notepad++

File Edit Search View Encoding Language Settings Tools

變數的變數(或稱參照).php

```
1 <?php
2     $a = "test";
3     echo "$a <BR>";
4
5     $$a = "12345";
6     echo $test;
7 ?>
```

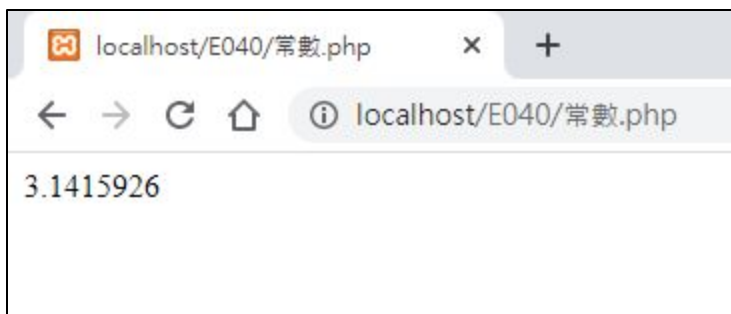


C:\xampp\htdocs\E040\常數.php - Notepad++

File Edit Search View Encoding Language Settings Tools

常數.php 檢查「某字串」是否被定義為常數.php

```
1 <?php
2     define ("PI", "3.1415926"); //設定π的值
3     echo PI;
4 ?>
```

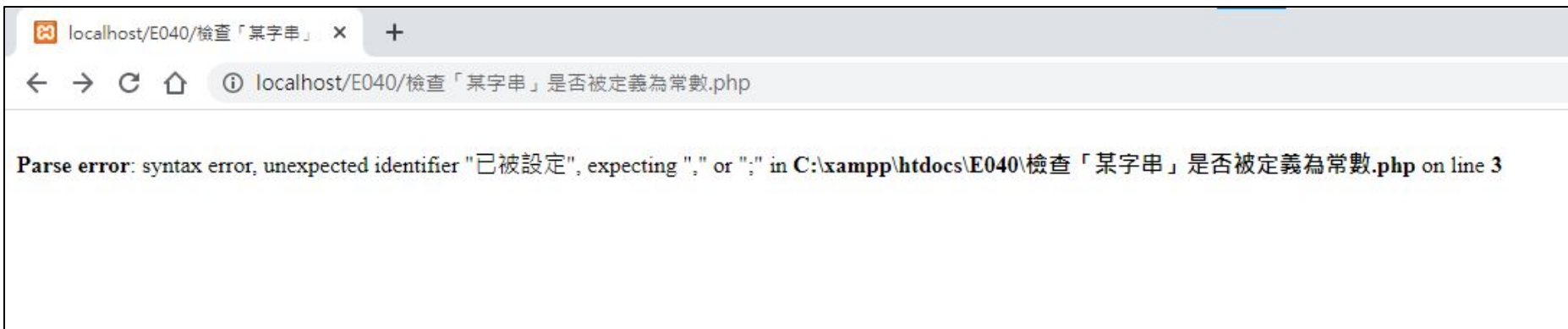


C:\xampp\htdocs\E040\檢查「某字串」是否被定義為常數.php - Notepad++

File Edit Search View Encoding Language Settings Tools Macro

常數.php 檢查「某字串」是否被定義為常數.php

```
1 <?php
2 if (defined ("PI"))
3     echo "PI" 已被設定";
4 else
5     echo "未設定";
6 ?>
```





C:\xampp\htdocs\E040\物件(object).php - Notepad++

File Edit Search View Encoding Language Settings Tools

物件(object).php

```
1 <?php
2     class foo
3     {
4         function do_foo()
5         {
6             echo "使用物件!";
7         }
8     }
9     $bar = new foo;
10    $bar->do_foo();
11 ?>
```

