

# PHP 線上表單製作 與Bootstrap CSS 以BMI計算為例

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# 兩個網頁間互傳參數

INPUT.PHP

BMI 計算器

身高:	<input type="text"/>	height
體重:	<input type="text"/>	weight

送出

RESULT.PHP

```
1 <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "http://
2 <html xmlns="http://www.w3.org/1999/xhtml">
3 <head>
4 <meta http-equiv="Content-Type" content="text/html; charset=utf-8" />
5 <title>無標題文件</title>
6 </head>
7
8 <body>
9 <?php
10
11 echo '身高 = ' . $_POST['height'] . '<br>';
12 echo '體重 = ' . $_POST['weight'] . '<br>';
13 ?>
14 </body>
15 </html>
```

# 計算BMI，存入\$mybmi數值

---

```
1 <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "http:
2 <html xmlns="http://www.w3.org/1999/xhtml">
3 <head>
4 <meta http-equiv="Content-Type" content="text/html; charset=utf-8" />
5 <title>BMI計算結果</title>
6 </head>
7
8 <body>
9 <p>
10     <?php
11
12     echo '身高 = ' . $_POST['height'] . '<br>';
13     echo '體重 = ' . $_POST['weight'] . '<br>';
14
15     $height = $_POST['height']; // 把表單變數的身高(height)存入變數$height
16     $weight = $_POST['weight']; // 把表單變數的體重(weight)存入變數$weight
17
18     $mybmi = ($weight)/((($height/100)^2); // 計算BMI
19     echo 'Your BMI is : ' . $mybmi . '<br>';
```

# 判斷BMI的數值屬於哪一種

```
1 <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "http:
2 <html xmlns="http://www.w3.org/1999/xhtml">
3 <head>
4 <meta http-equiv="Content-Type" content="text/html; charset=utf-8" />
5 <title>BMI計算結果</title>
6 </head>
7
8 <body>
9 <p>
10   <?php
11
12   echo '身高 = ' . $_POST['height'] . '<br>';
13   echo '體重 = ' . $_POST['weight'] . '<br>';
14
15   $height = $_POST['height']; // 把表單變數的身高(height)存入變數$height
16   $weight = $_POST['weight']; // 把表單變數的體重(weight)存入變數$weight
17
18   $mybmi = ($weight)/((($height/100)^2); // 計算BMI
19   echo 'Your BMI is : ' . $mybmi . '<br>';
20
21   $result = '';
22   if ($mybmi < 18.5)           { $result = '體重過輕!'; }
23   if ($mybmi >=18.5 and $mybmi < 24) { $result = '體重正常!'; }
24   if ($mybmi >=24 and $mybmi < 27) { $result = '體重過重!'; }
25   if ($mybmi >=27 and $mybmi < 30) { $result = '輕度肥胖!'; }
26   if ($mybmi >=30 and $mybmi < 35) { $result = '中度肥胖!'; }
27   if ($mybmi >=35)           { $result = '重度肥胖!'; }
28
29   echo '-----' . '<br>';
30   echo ' Result : ' . $result;
31   ?>
```

# 用PHP控制不同條件下顯示不同圖片

準備的圖片

要記得放在\IMAGES目錄底下



```
<body* <p>
<?php

echo '身高 = ' . $_POST['height'] . '<br>';
echo '體重 = ' . $_POST['weight'] . '<br>';

$height = $_POST['height']; // 把表單變數的身高(height)存入變數$height
$weight = $_POST['weight']; // 把表單變數的體重(weight)存入變數$weight

$height = $height / 100;
$height = $height * $height;
$mybmi = $weight / $height; // 計算BMI
echo 'Your BMI is : ' . $mybmi . '<br>';

$result = '';
$picture = '';
if ($mybmi < 18.5)
if ($mybmi >=18.5 and $mybmi < 24)
if ($mybmi >=24 and $mybmi < 27)
if ($mybmi >=27 and $mybmi < 30)
if ($mybmi >=30 and $mybmi < 35)
if ($mybmi >=35)

{ $result = '體重過輕!'; $picture = 'thin.png';}
{ $result = '體重正常!'; $picture = 'good.jpg';}
{ $result = '體重過重!'; $picture = 'fat.jpg';}
{ $result = '輕度肥胖!'; $picture = 'fat.jpg';}
{ $result = '中度肥胖!'; $picture = 'fat.jpg';}
{ $result = '重度肥胖!'; $picture = 'fat.jpg';}

echo '-----' . '<br>';
echo ' Result : ' . $result;
?>
</p>
<?php
// 原先的語法
// <p></p>
?>
<p>" width="223" height="226" /></p>

</body>
```

圖片控制

比對一下這兩行



# 完成樣子

輸入畫面  
INPUT.PHP

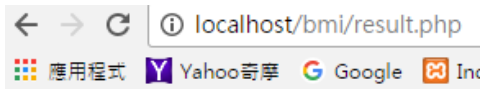


BMI 計算器

身高：	<input type="text" value="170"/>
體重：	<input type="text" value="200"/>

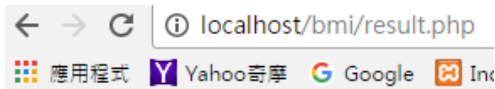
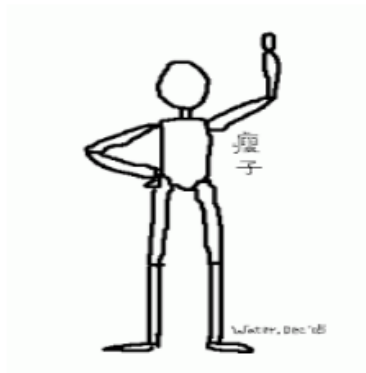
送出

計算結果 RESULT.PHP



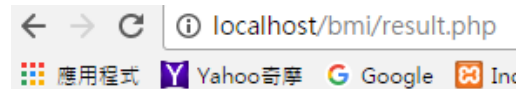
身高 = 170  
體重 = 50  
Your BMI is : 16.666666666667

Result : 體重過輕 !



身高 = 170  
體重 = 70  
Your BMI is : 23.333333333333

Result : 體重正常 !



身高 = 170  
體重 = 150  
Your BMI is : 50

Result : 重度肥胖 !



# 恭喜！神功練成

已經學會如何

1. PHP如何透過表單傳遞參數。

2. 以及基本的計算、

3. 圖片條件控制。

---

接下來就可以開始寫資料庫程式了

# 加入頁首與頁尾

---



# 利用 <?php require( '檔名.php' ); ?>

```
1 <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
2 <html xmlns="http://www.w3.org/1999/xhtml">
3 <head>
4 <meta http-equiv="Content-Type" content="text/html; charset=utf-8" />
5 <title>BMI計算器</title>
6 </head>
7
8 <body>
9 <?php require('header.php'); ?>
10 <form id="form1" name="form1" method="post" action="result.php">
11 <table width="448" border="1">
12 <tr>
13 <td width="73">身高 :</td>
14 <td width="359"><label for="height"></label>
15 <input type="text" name="height" id="height" /></td>
16 </tr>
17 <tr>
18 <td>體重 :</td>
19 <td><label for="weight"></label>
20 <input type="text" name="weight" id="weight" /></td>
21 </tr>
22 </table>
23 <p>
24 <input type="submit" name="button" id="button" value="送出" />
25 </p>
26 </form>
27 <?php require('footer.php'); ?>
28 </body>
29 </html>
```

# 設計header.php

---

```
1 <!doctype html>
2 ▼ <html>
3 ▼ <head>
4 <meta charset="utf-8">
5 <title>無標題文件</title>
6 </head>
7
8 ▼ <body>|
9 BMI 計算器 吳智鴻 ADT105001
10 </body>
11 </html>
```

BMI 計算器 吳智鴻 ADT105001

# 設計 footer.php

---

```
1  <!doctype html>
2  ▼ <html>
3  ▼ <head>
4  <meta charset="utf-8">
5  <title>footer</title>
6  </head>
7
8  ▼ <body>
9  <hr>
10 Copyright(c) 2019 All rights reserved. Chih-Hung Wu
11 </body>
12 </html>|
```

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# 組合起來的樣子 Input.php

```
1 <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
2 <html xmlns="http://www.w3.org/1999/xhtml">
3 <head>
4 <meta http-equiv="Content-Type" content="text/html; charset=utf-8" />
5 <title>BMI計算器</title>
6 </head>
7
8 <body>
9 <?php require('header.php'); ?>
10 <form id="form1" name="form1" method="post" action="result.php">
11 <table width="448" border="1">
12 <tr>
13 <td width="73">身高: </td>
14 <td width="359"><label for="height"></label>
15 <input type="text" name="height" id="height" /></td>
16 </tr>
17 <tr>
18 <td>體重: </td>
19 <td><label for="weight"></label>
20 <input type="text" name="weight" id="weight" /></td>
21 </tr>
22 </table>
23 <p>
24 <input type="submit" name="button" id="button" value="送出" />
25 </p>
26 </form>
27 <?php require('footer.php'); ?>
28 </body>
29 </html>
```

BMI 計算器 吳智鴻 ADT105001

身高：

體重：

送出

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# 加入bootstrap CSS

---

# 網路上標準範例

---

<https://getbootstrap.com/docs/4.0/getting-started/introduction/>

```
Copy
<!doctype html>
<html lang="en">
  <head>
    <!-- Required meta tags -->
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">

    <!-- Bootstrap CSS -->
    <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css">

    <title>Hello, world!</title>
  </head>
  <body>
    <h1>Hello, world!</h1>

    <!-- Optional JavaScript -->
    <!-- jQuery first, then Popper.js, then Bootstrap JS -->
    <script src="https://code.jquery.com/jquery-3.2.1.slim.min.js" integrity="sha384-k8W4y9urBQgG8LW7D70Og4H50RtWg7F70NbyQjwRkx+wJfUvHuD0NKV4YUgZs" crossorigin="anonymous"></script>
    <script src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.12.9/umd/popper.min.js" integrity="sha384-ApNbss9126McTysvMAoN6LLE2Ga4i6M+01QIpmvZhs5gM" crossorigin="anonymous"></script>
    <script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/js/bootstrap.min.js" integrity="sha384-JZR63krCxf6YV6zdO8h1yZ+n8A8L1vw2s8o3eCV+wcS613w2783v41j3m2x3" crossorigin="anonymous"></script>
  </body>
</html>
```

# 把原先header.php加入bootstrap

把header.php 加入bootstrap的一些引用。改名稱為header2.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, shrink-to-fit=no">
6
7   <!-- Bootstrap CSS -->
8   <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css" integrity="sha384-
9   Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJlSAwiGgFAW/dAiS6JXm" crossorigin="anonymous">
10
11   <!-- Optional JavaScript -->
12   <!-- jQuery first, then Popper.js, then Bootstrap JS -->
13   <script src="https://code.jquery.com/jquery-3.2.1.slim.min.js" integrity="sha384-KJ3o2DKtIkvYIK3UENzmM7KCKRr/rE9/Qpg6aAZGJwFDMVNA/GpGFF93hXpG5KkN" crossorigin="anonymous">
14   </script>
15   <script src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.12.9/umd/popper.min.js" integrity="sha384-ApNbgh9B+Y1QKtv3Rn7W3mgPxhU9K/ScQsAP7hUibX39j7fakFPSkvXusvfa0b4Q"
16   crossorigin="anonymous"></script>
17   <script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/js/bootstrap.min.js" integrity="sha384-JZR6Spejh4U02d8j0t6vLEHfe/JQGiRRSQQxSfFWpi1MquVdAyjUar5+76PVCmYl"
18   crossorigin="anonymous"></script>
19 </head>
20 <body>
21   <h1>BMI 計算器 吳智鴻 ADT105001</h1>
22   <hr>
23 </body>
24 </html>
```

# 在input.php改成引用header2.php試試

```
1 <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
2 <html xmlns="http://www.w3.org/1999/xhtml">
3 <head>
4 <meta http-equiv="Content-Type" content="text/html; charset=utf-8" />
5 <title>BMI計算器</title>
6 </head>
7
8 <body>
9 <?php require('header2.php'); ?>
10 <form id="form1" name="form1" method="post" action="result.php">
11 <table width="448" border="1">
12 <tr>
13 <td width="73">身高 :</td>
14 <td width="359"><label for="height"></label>
15 <input type="text" name="height" id="height" /></td>
16 </tr>
17 <tr>
18 <td>體重 :</td>
19 <td><label for="weight"></label>
20 <input type="text" name="weight" id="weight" /></td>
21 </tr>
22 </table>
23 <p>
24 <input type="submit" name="button" id="button" value="送出" />
25 </p>
26 </form>
27 <?php require('footer.php'); ?>
28 </body>
29 </html>
```



# 最後結果

---

## 傳統PHP畫面

BMI 計算器 吳智鴻 ADT105001	
身高：	<input type="text"/>
體重：	<input type="text"/>
<input type="button" value="送出"/>	
Copyright(c) 2019 All rights reserved. Chih-Hung Wu	

## 導入BOOTSTRAP後的畫面

<b>BMI 計算器 吳智鴻 ADT105001</b>	
身高：	<input type="text"/>
體重：	<input type="text"/>
<input type="button" value="送出"/>	
Copyright(c) 2019 All rights reserved. Chih-Hung Wu	