

db.php

<?php

設定預設時區和啟動會話
(Setting Default Time Zone and Starting Session)

date_default_timezone_set("Asia/Taipei");
session_start();

13個DB類中定義的函數
class DB{

初始化和連接資料庫
(Initialize and Connect to Database)

```
protected $dsn = "mysql:host=localhost;charset=utf8;dbname=db09";  
// db+抽到的崗位號碼  
// protected $dsn = "mysql:host=localhost;charset=utf8;dbname=bquiz"; //資料庫  
protected $pdo;  
protected $table;  
  
public function __construct($table)  
{  
    $this->table = $table;  
    $this->pdo = new PDO($this->dsn, 'root', '');  
    // $this->pdo=new PDO($this->dsn,'sl120409','sl120409');  
}
```

all

```
function all($where = "", $other = "")  
{  
    $sql = "select * from ` $this->table` ";  
    $sql = $this->sqlLall($sql, $where, $other);  
    return $this->pdo->query($sql)->fetchAll(PDO::FETCH_ASSOC);  
}
```

count

```
function count($where = "", $other = "")  
{  
    $sql = "select count(*) from ` $this->table` ";  
    $sql = $this->sqlLall($sql, $where, $other);  
    return $this->pdo->query($sql)->fetchColumn();  
}
```

math (private)

```
private function math($math, $col, $array = "", $other = "")  
{  
    $sql = "select $math(' $col' ) from ` $this->table` ";  
    $sql = $this->sqlLall($sql, $array, $other);  
    return $this->pdo->query($sql)->fetchColumn();  
}
```

sum

```
function sum($col = "", $where = "", $other = "")  
{  
    return $this->math('sum', $col, $where, $other);  
}
```

max

```
function max($col, $where = "", $other = "")  
{  
    return $this->math('max', $col, $where, $other);  
}
```

min

```
function min($col, $where = "", $other = "")  
{  
    return $this->math('min', $col, $where, $other);  
}
```

find (一行)

```
function find($id)  
{  
    $sql = "select * from ` $this->table` ";  
  
    if (is_array($id)) {  
        $tmp = $this->a2s($id);  
        $sql .= " where " . join(" && ", $tmp);  
    } else if (is_numeric($id)) {  
        $sql .= " where `id` = '$id'";  
    }  
    //echo 'find=>'. $sql;  
    $row = $this->pdo->query($sql)->fetch(PDO::FETCH_ASSOC);  
    return $row;  
}
```

資料表操作 (Table Operations)

save

```
// update or insert  
function save($array)  
{  
    if (isset($array['id'])) {  
        // $array = array('id' => 123, 'column1' => 'value1', 'column2' => 'value2');  
        $sql = "update ` $this->table` set ";  
  
        if (empty($array)) {  
            $tmp = $this->a2s($array);  
        }  
  
        $sql .= join(" , ", $tmp);  
        $sql .= " where `id` = '{$array['id']}'";  
    } else {  
        // $array = array('column1' => 'value1', 'column2' => 'value2');  
        $sql = "insert into ` $this->table` ";  
        $cols = "(" . join(" , ", array_keys($array)) . " )";  
        $vals = "(" . join(" , ", $array) . " )";  
  
        $sql = $sql . $cols . " values " . $vals;  
    }  
  
    return $this->pdo->exec($sql);  
}
```

del

```
function del($id)  
{  
    $sql = "delete from ` $this->table` where ";  
  
    if (is_array($id)) {  
        $tmp = $this->a2s($id);  
        $sql .= join(" && ", $tmp);  
    } else if (is_numeric($id)) {  
        $sql .= " `id` = '$id'";  
    }  
    //echo $sql;  
    return $this->pdo->exec($sql);  
}
```

q(各式sql語法字串)

```
function q($sql)  
{  
    return $this->pdo->query($sql)->fetchAll(PDO::FETCH_ASSOC);  
}
```

a2s(private)

```
private function a2s($array)  
{  
    foreach ($array as $col => $value) {  
        $tmp[] = "` $col` = '$value'";  
    }  
    return $tmp;  
}
```

sqlLall(private)

```
private function sqlLall($sql, $array, $other)  
{  
  
    if (isset($this->table) && !empty($this->table)) {  
  
        if (is_array($array)) {  
  
            if (empty($array)) {  
                $tmp = $this->a2s($array);  
                $sql .= " where " . join(" && ", $tmp);  
            } else {  
                $sql .= " $array";  
            }  
  
            $sql .= $other;  
            // echo 'all=>'. $sql;  
            // $rows = $this->pdo->query($sql)->fetchColumn();  
            return $sql;  
        }  
    }  
}
```

2 個外部定義的函數

輔助函數
(Helper Functions)

```
function dd($array)  
{  
    echo "<pre>";  
    print_r($array);  
    echo "</pre>";  
}
```

```
function to($url)  
{  
    header("location:$url");  
}
```

實例化資料表對象
(Instantiate Table Objects)

```
$Title = new DB('titles');  
$Total = new DB('total');  
$Bottom = new DB('bottom');  
$Ad = new DB('ad');  
$Mvim = new DB('mvim');  
$Image = new DB('image');  
$News = new DB('news');  
$Admin = new DB('admin');  
$Menu = new DB('menu');
```

處理全域變數，
動態資料庫表選擇

```
if (isset($_GET['do'])) {  
    if (isset($_{ucfirst($_GET['do'])})) {  
        $DB = $_{ucfirst($_GET['do'])};  
        // 例如 $_GET['do']=news; $_{ucfirst($_GET['do'])}會轉換成$News  
        // 賦值給 $DB  
    }  
} else {  
    // 沒有do=xx時會導入title首頁  
    $DB = $Title;  
}
```

計算網站拜訪次數

```
if (isset($_SESSION['visited'])) {  
    $Total->q("update `total` set `total` =' total' +1 where `id` =1");  
    $_SESSION['visited'] = 1;  
    // 不可放0, session會是null  
}
```

?>