



สมเกียรติ ปุ่ยสูงเนิน
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SPRINT3R

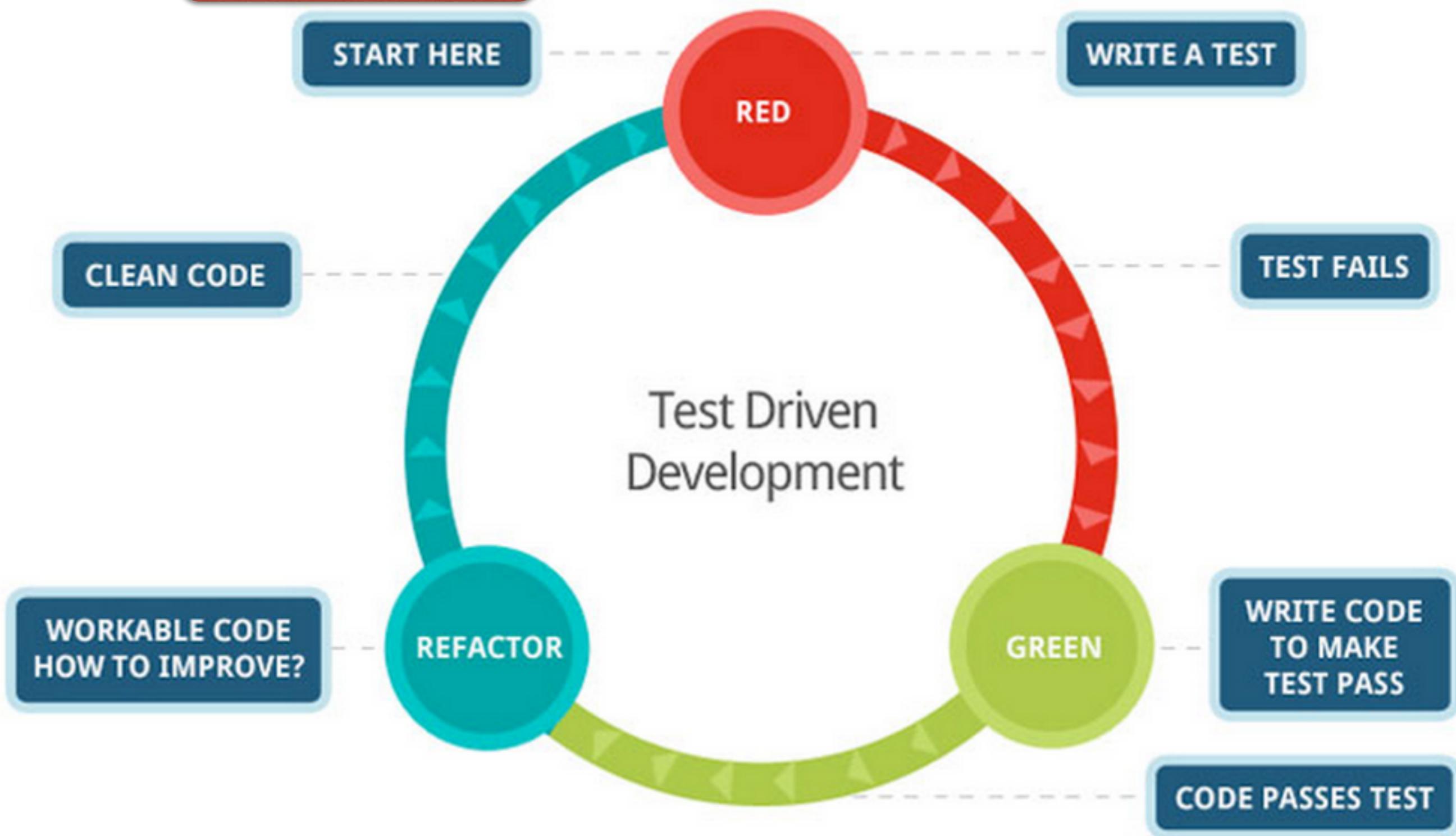
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PDO *em* PHP



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Learning PDO

PDO enable ?

```
$php -i | grep 'pdo'
```

PHP INFO

PDO

PDO support	enabled
PDO drivers	mysql, odbc, sqlite

pdo_mysql

PDO Driver for MySQL	enabled
Client API version	mysqlnd 5.0.10 - 20111026 - \$Id: c85105d7c6f7d70d609bb4c000257868a40840ab \$

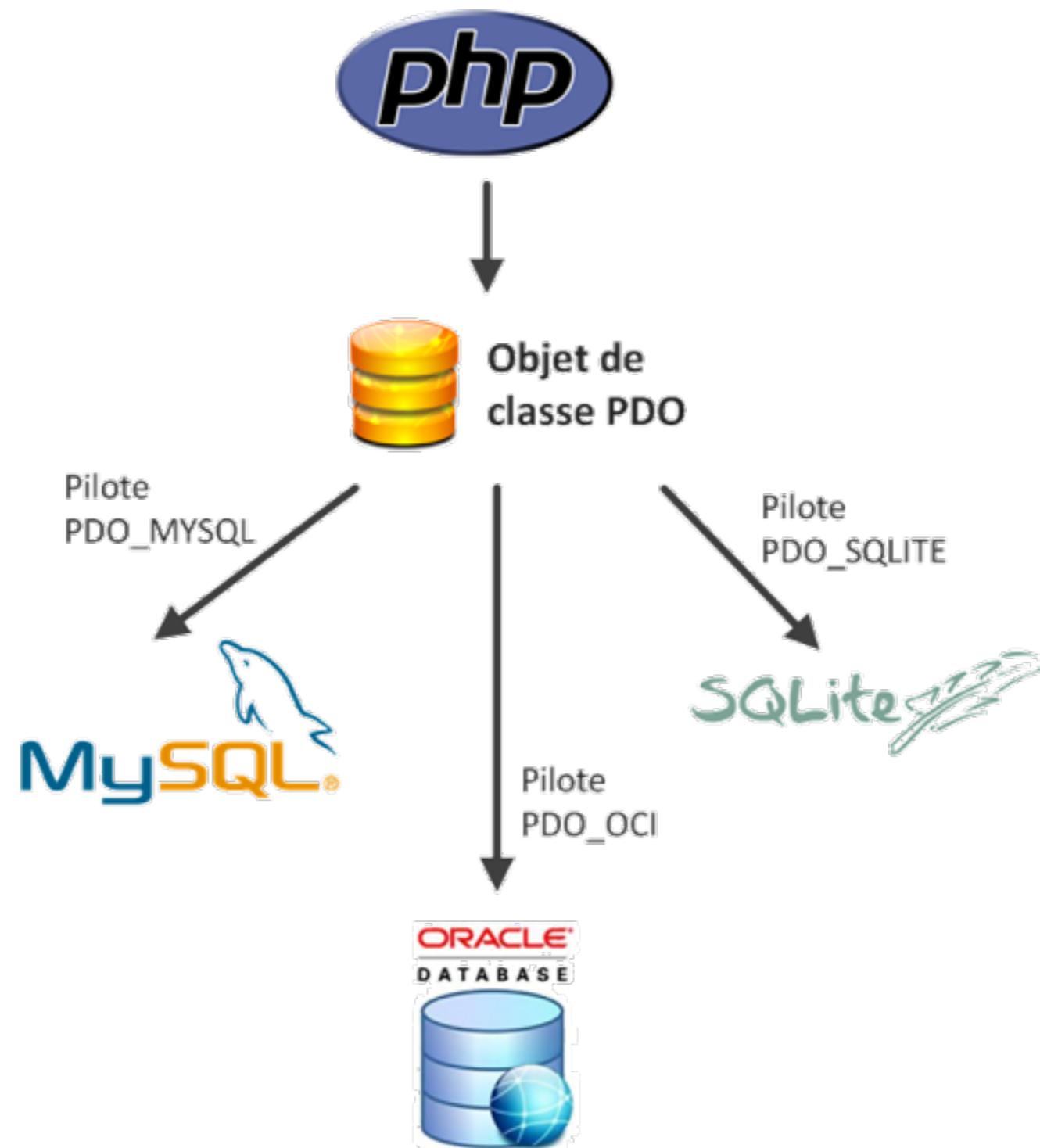
Directive	Local Value	Master Value
pdo_mysql.default_socket	/tmp/mysql.sock	/tmp/mysql.sock

PDO คืออะไร

PHP Data Object

Lightweight interface for accessing database

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MySQL

PostgreSQL

SQLite

Oracle

Microsoft SQL Server

Working with database ?

Procedure way

Deprecated in 5.5

mysql_connect

Change language: English [Edit](#) [Report a Bug](#)

(PHP 4, PHP 5)

mysql_connect – Open a connection to a MySQL Server

Warning This extension was deprecated in PHP 5.5.0, and it was removed in PHP 7.0.0. Instead, the [MySQLi](#) or [PDO_MySQL](#) extension should be used. See also [MySQL: choosing an API guide](#) and [related FAQ](#) for more information. Alternatives to this function include:

- [mysqli_connect\(\)](#)
- [PDO::__construct\(\)](#)

<http://php.net/manual/en/function.mysql-connect.php>

MySQLi vs PDO

MySql

Change database ?

เรามีต้องการอะไรแบบนี้

```
1 <?php  
2 class MyDatabase {  
3     ...  
4     public function __construct($host, $username, $password, $database_name) {  
5         ...  
6     }  
7     public function query( $sql ) {  
8         ...  
9     }  
10    ...  
11    }  
12 }  
13 ?>
```

Let's start with PDO

<http://php.net/manual/en/book pdo.php>

Workshop



CREATE

READ

UPDATE

DELETE

C R U D

PDO

```
1 <?php
2 $host = "localhost";
3 $username = "root";
4 $password = "mypassword";
5 $database_name = "sample";
6
7 $connection = new PDO("mysql:host=".$host."; dbname=".$database_name."",
8                         $username, $password,
9                         array(PDO::MYSQL_ATTR_INIT_COMMAND=>"SET NAMES utf8"));
10
11 $sql = "SELECT * FROM USER";
12 $result = $connection->query($sql)->fetchAll();
13 foreach ($result as $row) {
14     echo $row['firstname'] . "\n";
15 }
16 ?>
```



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PDO::prepare



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PDO::prepare

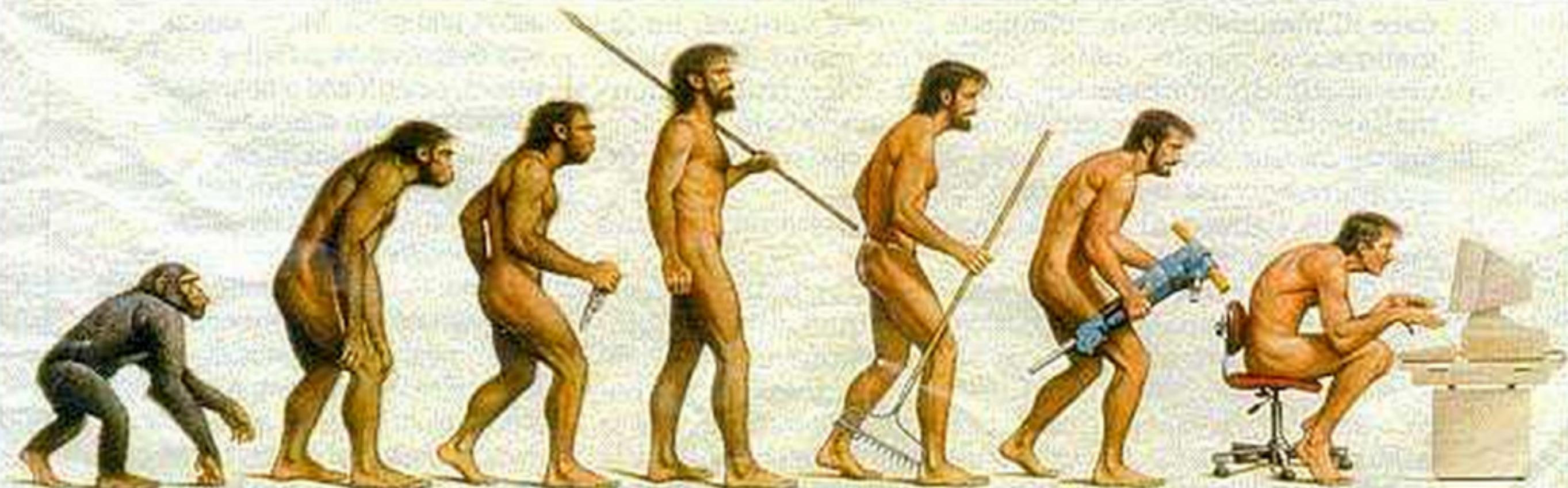
**ป้องกัน SQL Injection
มีประสิทธิภาพที่สุด**

PDO::prepare

```
1 <?php
2 $host = "localhost";
3 $username = "root";
4 $password = "mypassword";
5 $database_name = "sample";
6
7 $connection = new PDO("mysql:host=".$host."; dbname=".$database_name."",
8                         $username, $password,
9                         array(PDO::MYSQL_ATTR_INIT_COMMAND=>"SET NAMES utf8"));
10
11 $sql = 'SELECT * FROM USER WHERE id = :user_id';
12 $statement = $connection->prepare($sql);
13 $statement->execute(array(':user_id' => 1));
14
15 $result = $statement->fetchAll();
16 foreach ($result as $row) {
17     echo $row['firstname'] . "\n";
18 }
19 ?>
```

Insert data

```
1 <?php
2 $host = "localhost";
3 $username = "root";
4 $password = "mypassword";
5 $database_name = "sample";
6
7 $connection = new PDO("mysql:host=".$host."; dbname=".$database_name."",
8                         $username, $password,
9                         array(PDO::MYSQL_ATTR_INIT_COMMAND=>"SET NAMES utf8"));
10
11 $sql = "INSERT INTO USER (firstname, lastname)VALUES (:firstname, :lastname)";
12 $statement = $connection->prepare($sql);
13 $statement->execute(array(
14                         ':firstname' => 'somkiat',
15                         ':lastname' => 'puisungnoen'
16                     ));
17 ?>
```



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