



สมเกียรติ ปุ่ยสูงเนิน  
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SPRINT3R

Siam Chamnankit Co., Ltd., Odd-e (Thailand) Co., Ltd. and Alliance



# PDO *em* PHP



# Learning PDO

# PDO enable ?

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

# PHP INFO

## PDO

<b>PDO support</b>	<b>enabled</b>
<b>PDO drivers</b>	mysql, odbc, sqlite

## pdo\_mysql

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

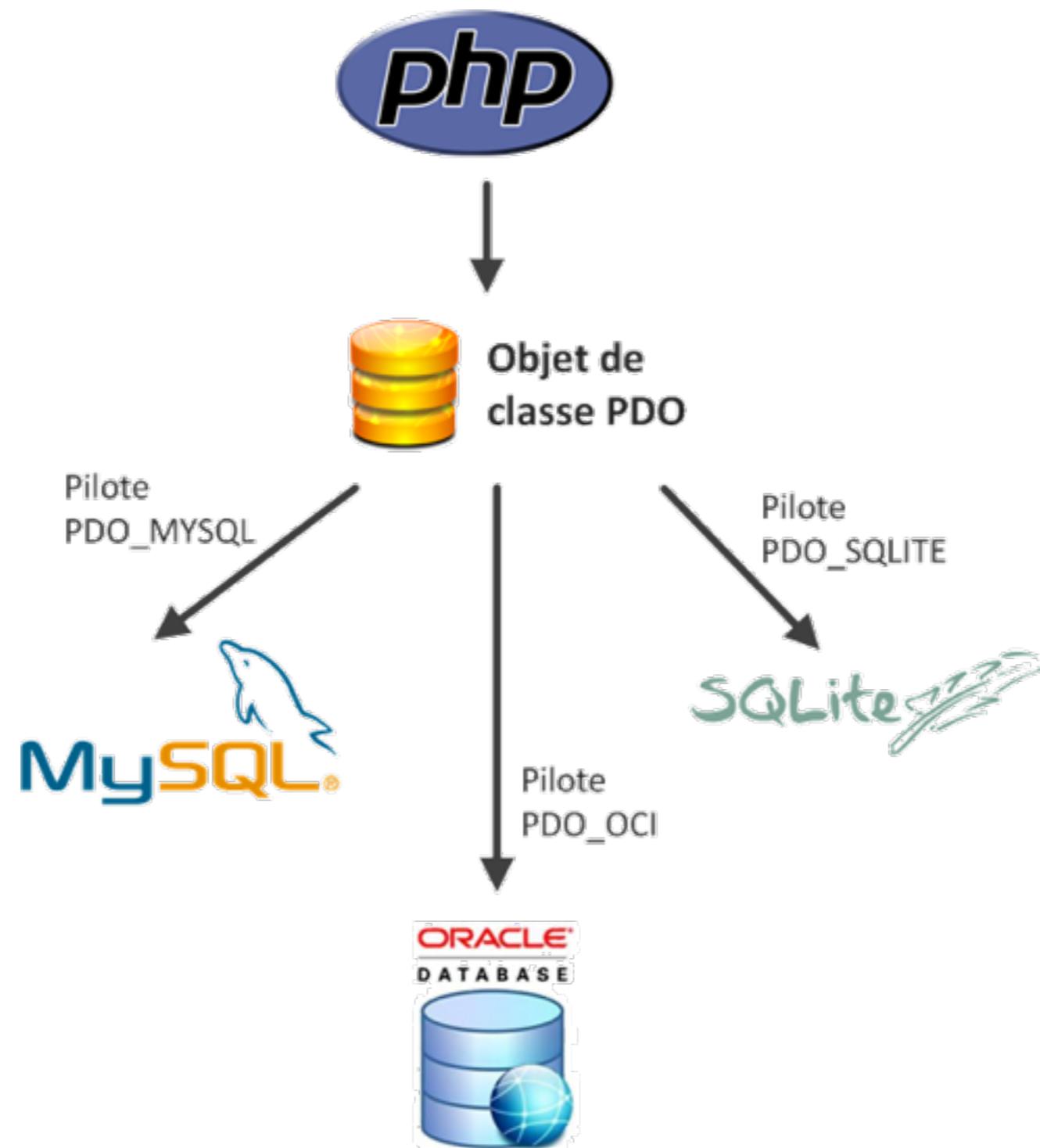
Directive	Local Value	Master Value
<b>pdo_mysql.default_socket</b>	/tmp/mysql.sock	/tmp/mysql.sock

# PDO គឹនេរ

## PHP Data Object

Lightweight interface for accessing database

# โครงสร้าง



# โครงสร้าง



# โครงสร้าง



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 ?

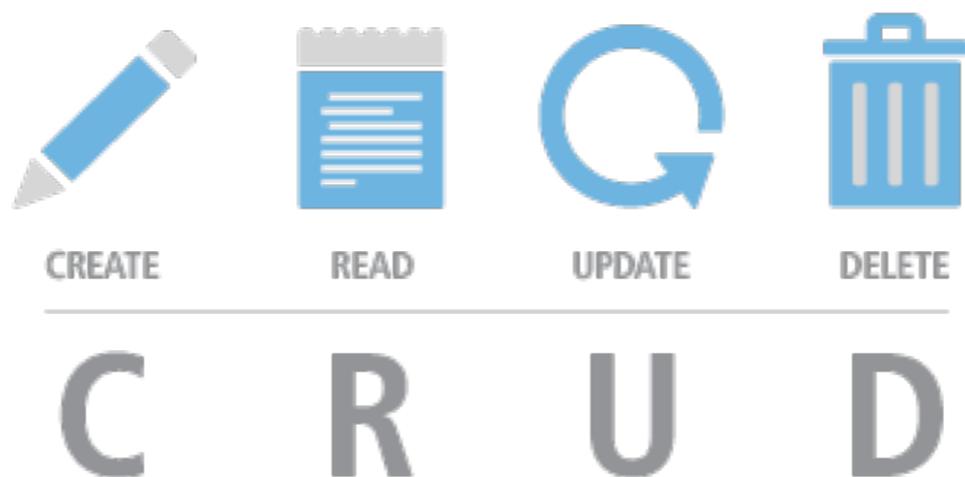
# เราต้องการอะไรแบบนี้

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

# Let's start with PDO

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

# Workshop



# 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 ?>
```

# PDO::exec



HAZSIGNS.COM 1-800-326-437

# PDO::prepare



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# PDO::prepare

ป้องกัน SQL Injection

มีประสิทธิภาพที่สุด

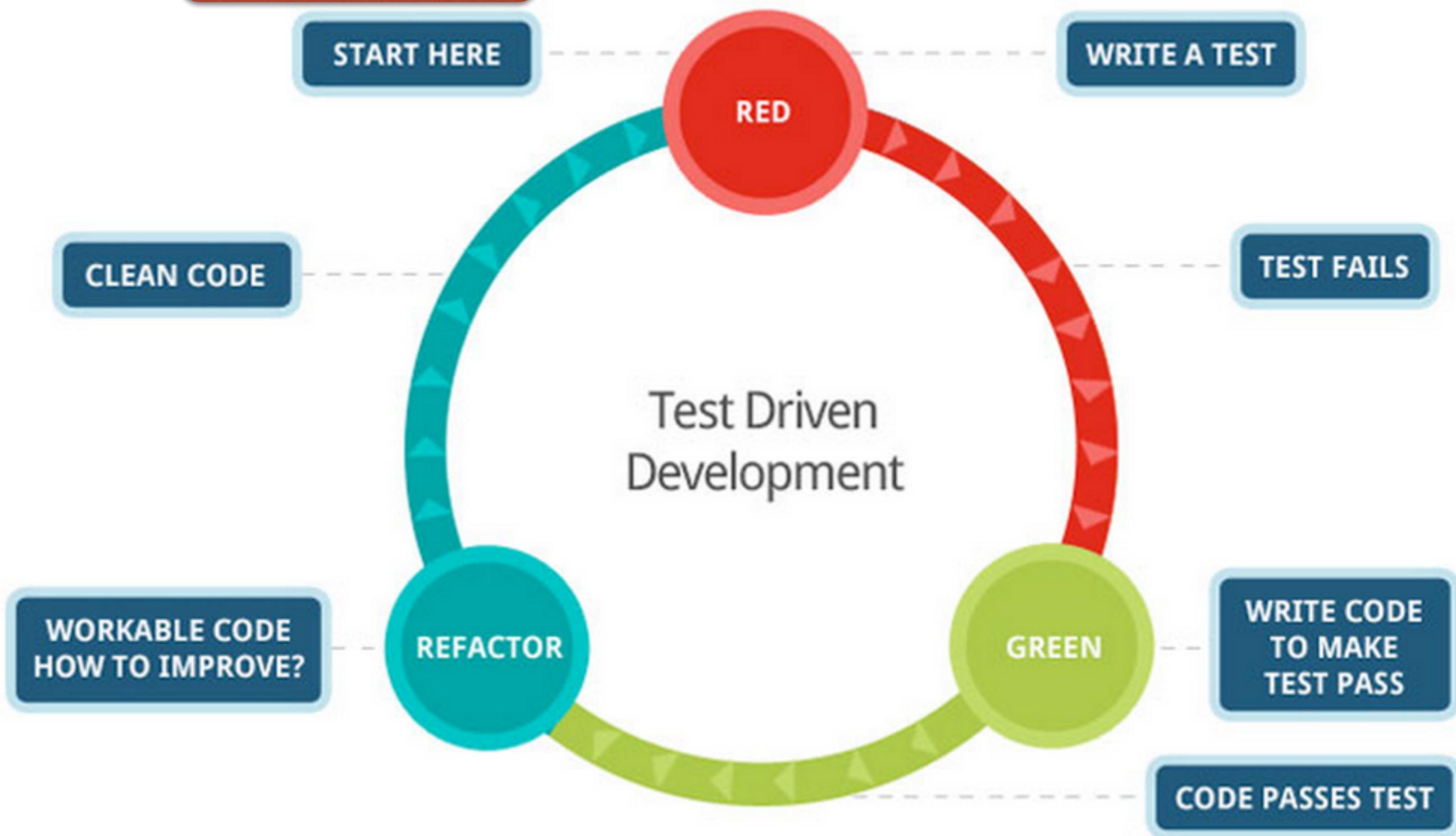
# PDO::prepare

```
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 |-----|-----|-----|-----|-----|-----|-----|-----|-----|
9 |-----|-----|-----|-----|-----|-----|-----|-----|-----|
10 |-----|-----|-----|-----|-----|-----|-----|-----|-----|
11 |-----|-----|-----|-----|-----|-----|-----|-----|-----|
12 |-----|-----|-----|-----|-----|-----|-----|-----|-----|
13 |-----|-----|-----|-----|-----|-----|-----|-----|-----|
14 |-----|-----|-----|-----|-----|-----|-----|-----|-----|
15 |-----|-----|-----|-----|-----|-----|-----|-----|-----|
16 |-----|-----|-----|-----|-----|-----|-----|-----|-----|
17 |-----|-----|-----|-----|-----|-----|-----|-----|-----|
18 |-----|-----|-----|-----|-----|-----|-----|-----|-----|
19 |-----|-----|-----|-----|-----|-----|-----|-----|-----|
```

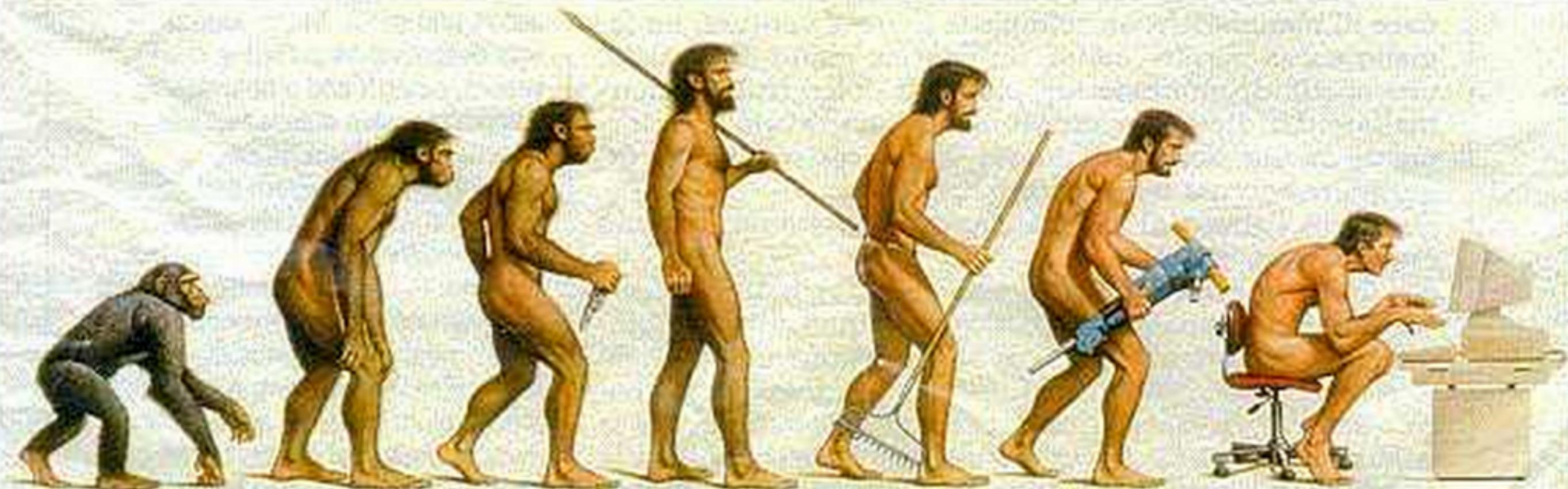
# Insert data

```
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 ?>
```

# คิดก่อนทำ



# ทดสอบ database อย่างไรดี ?



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