

 무료 전자 책

배우기

pdo

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#pdo

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1: pdo

pdo , .

pdo . pdo .

Examples

PDO PHP 12 (: MySQL, MongoDB, NoSQL) . PDO .

| | PDO | MySQLi |
|-----|-----|--------|
| | 12 | MySQLi |
| API | OOP | OOP + |
| | | |
| | | |
| () | | |
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| | | |

PDO :

.PDO , .

```
$connection = new PDO("mysql:host=localhost;dbname=myDatabase, username, password);
```

PDO .

PDO (database type : = host , **dbname** = database name , root , password);

PDO :

```
// We use a array to hold the data about whats the :var is in normal $var
$params = array(
    ':username' => '$username',
    ':email' => $mail,
);
```

```
// Prepare the SQL and using named secure parameters ":username"
$pdo->prepare('SELECT * FROM users WHERE username = :username AND email = :email');

// Execute the $params and send them to the $pdo->prepare
$pdo->execute($params);
```

SQL .

:

:

PDO

:

W3Schools

Tuts + ()

PDO Errormode

PDO :: setAttribute . setAttribute .

```
public bool PDO::setAttribute ( int $attribute , mixed $value )
```

PDO :: ATTR_ERRMODE : . . .

- PDO::ERRMODE_SILENT : ATTR_ERRMODE ERRMODE_SILENT ATTR_ERRMODE . . . SQL PDO . PDO . false . PDO :: ERRMODE_SILENT 0. . .
- PDO::ERRMODE_WARNING : E_WARNING . SQL PDO . PDO :: ERRMODE_WARNING 1. . .
- PDO::ERRMODE_EXCEPTION : . SQL PDO . PDO :: ERRMODE_EXCEPTION 2. throw . . .

: ATTR_ERRMODE . learn_project_db user_table . SQL .

```
DROP DATABASE IF EXISTS `learn_project_db`;
CREATE DATABASE `learn_project_db`;
USE `learn_project_db`;
CREATE TABLE `user_table` (
  `user_email` varchar(50) PRIMARY KEY,
  `user_password` varchar(50) NOT NULL
);
INSERT INTO `user_table` (`user_email`, `user_password`) VALUES
('test1@example.com', '123'),
('test2@example.com', '1234'),
('test3@example.com', '12345');
```

ATTR_ERRMODE SQL . default.php PHP :

<?php

```

$server = "localhost";
$db_username = "root";
$db_password = "";
$db_name = "learn_project_db";
$conn = new PDO("mysql:host=$server;dbname=$db_name",$db_username,$db_password);
$sql_query = "SELECT * FROM wrong_user_table";
$stmt = $conn->prepare($sql_query);
$stmt->execute();
$result_set = $stmt->fetchAll();
var_dump($result_set);
/*Get the current error mode of PDO*/
$current_error_mode = $conn->getAttribute(PDO::ATTR_ERRMODE);
echo "<br>";
echo "Value of PDO::ATTR_ERRMODE: ".$current_error_mode;
?>

```

wrong_user_table . ATTR_ERRMODE throw . . PDO::ATTR_ERRMODE 0.

PDO::ERRMODE_WARNING ATTR_ERRMODE SQL . warning.php PHP :

```

<?php
$server = "localhost";
$db_username = "root";
$db_password = "";
$db_name = "learn_project_db";
$conn = new PDO("mysql:host=$server;dbname=$db_name",$db_username,$db_password);
$conn->setAttribute(PDO::ATTR_ERRMODE, PDO::ERRMODE_WARNING);
$sql_query = "SELECT * FROM wrong_user_table";
$stmt = $conn->prepare($sql_query);
$stmt->execute();
$result_set = $stmt->fetchAll();
var_dump($result_set);
/*Get the current error mode of PDO*/
$current_error_mode = $conn->getAttribute(PDO::ATTR_ERRMODE);
echo "<br>";
echo "Value of PDO::ATTR_ERRMODE: ".$current_error_mode;
?>

```

warning.php .

```

Warning: PDOStatement::execute(): SQLSTATE[42S02]: Base table or view not found: 1146 Table
'learn_project_db.wrong_user_table' doesn't exist in E:\xampp\htdocs\oop\db.php on line 10
array(0) { }
Value of PDO::ATTR_ERRMODE: 1

```

ATTR_ERRMODE PDO::ERRMODE_WARNING ATTR_ERRMODE . PDO::ATTR_ERRMODE 1 .

ATTR_ERRMODE PDO::ERRMODE_EXCEPTION SQL . error.php PHP error.php :

```

<?php
$server = "localhost";
$db_username = "root";
$db_password = "";
$db_name = "learn_project_db";
$conn = new PDO("mysql:host=$server;dbname=$db_name",$db_username,$db_password);
$conn->setAttribute(PDO::ATTR_ERRMODE, PDO::ERRMODE_EXCEPTION);
$sql_query = "SELECT * FROM wrong_user_table";

```

```
$stmt = $conn->prepare($sql_query);
$stmt->execute();
$result_set = $stmt->fetchAll();
var_dump($result_set);
/*Get the current error mode of PDO*/
$current_error_mode = $conn->getAttribute(PDO::ATTR_ERRMODE);
echo "<br>";
echo "Value of PDO::ATTR_ERRMODE: ".$current_error_mode;
?>
```

error.php error.php .

```
Fatal error: Uncaught exception 'PDOException' with message 'SQLSTATE[42S02]: Base table or
view not found: 1146 Table 'learn_project_db.wrong_user_table' doesn't exist' in
E:\xampp\htdocs\oop\db.php:10 Stack trace: #0 E:\xampp\htdocs\oop\db.php(10): PDOStatement-
>execute() #1 {main} thrown in E:\xampp\htdocs\oop\db.php on line 10
```

```
ATTR_ERRMODE PDO::ERRMODE_EXCEPTION ATTR_ERRMODE PDOException . . . SQL
ATTR_ERRMODE .
```

pdo : <https://riptutorial.com/ko/pdo/topic/4393/pdo->

2: SQL

```
$query = "SELECT name, city FROM ? WHERE id = ? AND country = ?";
```

```
$query = "SELECT name, city FROM users WHERE id = ? AND country = ?";
```

Examples

```
// 1. Connect to the database (this example with MySQL)
$host = 'localhost';
$dbname = 'users';
$user = 'root';
$password = '';
$dns = "mysql:host=$host;dbname=$dbname";
$pdo = new PDO($dns, $user, $password);

// 2. Prepare your query

// 2.1 First way
$query_1 = "SELECT name, city FROM users WHERE id = ? AND country = ?";
$stmt_1 = $pdo->prepare($query_1);

// 2.2 Second way
$query_2 = "SELECT name, city FROM users WHERE id = :id AND country = :country";
$stmt_2 = $pdo->prepare($query_2);

// 3. Execute your query

// 3.1 With the first way
$stmt_1->execute([1, 'US']);

// 3.2 With the second way
$stmt_2->execute([
    ':id' => 1,
    ':country' => 'US'
]);

// 4. Fetch your data
$data_1 = $stmt_1->fetchAll();
$data_2 = $stmt_2->fetchAll();
```

SQL : <https://riptutorial.com/ko/pdo/topic/6511/sql---->

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