

CONNECTION

```
$db = new PDO('mysql:host=localhost;dbname=testdb;charset=utf8mb4', 'username', 'password');
```

```
$db = new PDO('mysql:host=localhost;dbname=testdb;charset=utf8mb4', 'username', 'password', array(PDO::ATTR_EMULATE_PREPARES => false, PDO::ATTR_ERRMODE => PDO::ERRMODE_EXCEPTION));
```

```
$db = new PDO('mysql:host=localhost;dbname=testdb;charset=utf8mb4', 'username', 'password');  
$db->setAttribute(PDO::ATTR_ERRMODE, PDO::ERRMODE_EXCEPTION);  
$db->setAttribute(PDO::ATTR_EMULATE_PREPARES, false);
```

SELECT

Sin Statement

```
foreach($db->query('SELECT * FROM table') as $row) {  
    echo $row['field1'].' '.$row['field2']; //etc...  
}
```

Con Statement

```
$stmt = $db->query('SELECT * FROM table');  
while($row = $stmt->fetch(PDO::FETCH_ASSOC)) {  
    echo $row['field1'].' '.$row['field2']; //etc...  
}
```

```
$stmt = $db->query('SELECT * FROM table');  
$results = $stmt->fetchAll(PDO::FETCH_ASSOC);
```

Row Count

```
$stmt = $db->query('SELECT * FROM table');  
$row_count = $stmt->rowCount();  
echo $row_count.' rows selected';
```

INSERT/UPDATE

Last Inserted Id

```
$result = $db->exec("INSERT INTO table(firstname, lastname) VALUES('John',  
'Doe')");  
$insertId = $db->lastInsertId();
```

Affected Rows

```
$affected_rows = $db->exec("UPDATE table SET field='value'");  
echo $affected_rows.' were affected'
```

PARAMETERS

Orden implicito

```
$stmt = $db->prepare("SELECT * FROM table WHERE id=? AND name=?");  
$stmt->execute(array($id, $name));  
$rows = $stmt->fetchAll(PDO::FETCH_ASSOC);
```

Orden explicito

```
$stmt = $db->prepare("SELECT * FROM table WHERE id=? AND name=?");  
$stmt->bindValue(1, $id, PDO::PARAM_INT);  
$stmt->bindValue(2, $name, PDO::PARAM_STR);  
$stmt->execute();  
$rows = $stmt->fetchAll(PDO::FETCH_ASSOC);
```

Por Nombre

```
$stmt = $db->prepare("SELECT * FROM table WHERE id=:id AND name=:name");  
$stmt->bindValue(':id', $id, PDO::PARAM_INT);  
$stmt->bindValue(':name', $name, PDO::PARAM_STR);  
$stmt->execute();  
$rows = $stmt->fetchAll(PDO::FETCH_ASSOC);
```

Como Array

```
$stmt = $db->prepare("SELECT * FROM table WHERE id=:id AND name=:name");  
$stmt->execute(array(':name' => $name, ':id' => $id));  
$rows = $stmt->fetchAll(PDO::FETCH_ASSOC);
```

Para Insert

```
$stmt = $db->prepare("INSERT INTO table(field1,field2,field3,field4,field5)
VALUES(:field1,:field2,:field3,:field4,:field5)");
$stmt->execute(array(':field1' => $field1, ':field2' => $field2, ':field3' => $field3,
':field4' => $field4, ':field5' => $field5));
$affected_rows = $stmt->rowCount();
```

Para Delete

```
$stmt = $db->prepare("DELETE FROM table WHERE id=:id");
$stmt->bindValue(':id', $id, PDO::PARAM_STR);
$stmt->execute();
$affected_rows = $stmt->rowCount();
```

Para Update

```
$stmt = $db->prepare("UPDATE table SET name=? WHERE id=?");
$stmt->execute(array($name, $id));
$affected_rows = $stmt->rowCount();
```

TRANSACTIONS

```
try {
    $db->beginTransaction();

    $db->exec("SOME QUERY");

    $stmt = $db->prepare("SOME OTHER QUERY?");
    $stmt->execute(array($value));

    $stmt = $db->prepare("YET ANOTHER QUERY??");
    $stmt->execute(array($value2, $value3));

    $db->commit();
} catch(PDOException $ex) {
    //Something went wrong rollback!
    $db->rollBack();
    echo $ex->getMessage();
}
```