PhP MySQL Connection

database creation
table creation
data insertion

W3Schools

https://www.w3schools.com/php/php_mysql_intro.asp

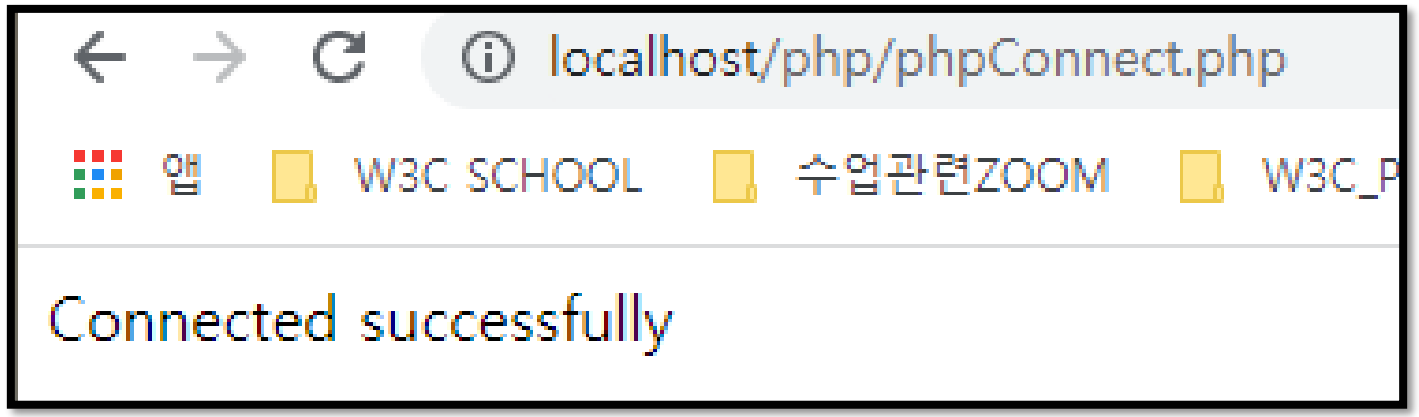
Open a Connection to MySQL

https://www.w3schools.com/php/php_mysql_connect.asp

Example (MySQLi Object-Oriented)

```php
<?php
$servername = "localhost";
$username = "username";
$password = "password";

// Create connection
$conn = new mysqli($servername, $username, $password);

// Check connection
if ($conn->connect_error) {
  die("Connection failed: " . $conn->connect_error);
}
echo "Connected successfully";
?>
```

```php
<?php
$servername = "localhost";
$username = "root";
$password = "";

// Create connection
$conn = mysqli_connect($servername, $username, $password);

// Check connection
if (!$conn) {
  die("Connection failed: " . mysqli_connect_error());
}
echo "Connected successfully";
?>
```



https://www.w3schools.com/php/php_mysql_create.asp

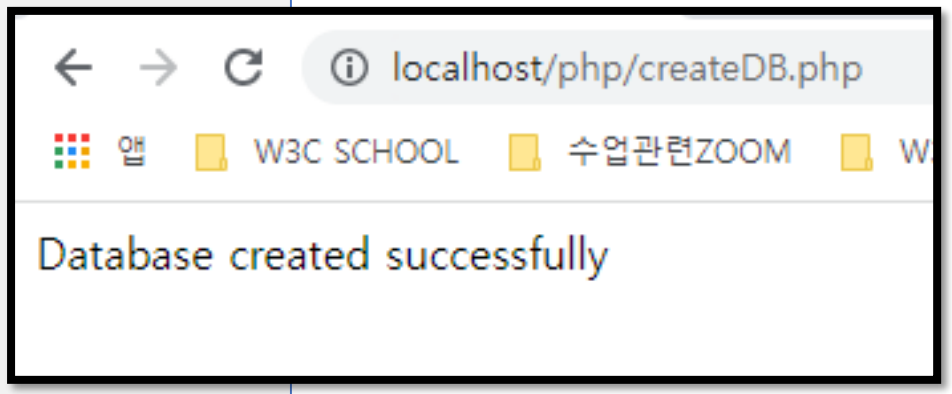
creating a database

```php
// Create database
$sql = "CREATE DATABASE myDB";
if ($conn->query($sql) === TRUE) {
  echo "Database created successfully";
} else {
  echo "Error creating database: " . $conn->error;
}
```

Example (MySQLi Object-oriented)

```php
<?php
$servername = "localhost";
$username = "username";
$password = "password";

// Create connection
$conn = new mysqli($servername, $username, $password);
// Check connection
if ($conn->connect_error) {
  die("Connection failed: " . $conn->connect_error);
}

// Create database
$sql = "CREATE DATABASE myDB";
if ($conn->query($sql) === TRUE) {
  echo "Database created successfully";
} else {
  echo "Error creating database: " . $conn->error;
}

$conn->close();
?>
```

```php
<?php
$servername = "localhost";
$username = "root";
$password = "";

// Create connection
$conn = new mysqli($servername, $username, $password);
// Check connection
if ($conn->connect_error) {
  die("Connection failed: " . $conn->connect_error);
}

// Create database
$sql = "CREATE DATABASE myDB";
if ($conn->query($sql) === TRUE) {
  echo "Database created successfully";
} else {
  echo "Error creating database: " . $conn->error;
}

$conn->close();
?>
```



creating a table

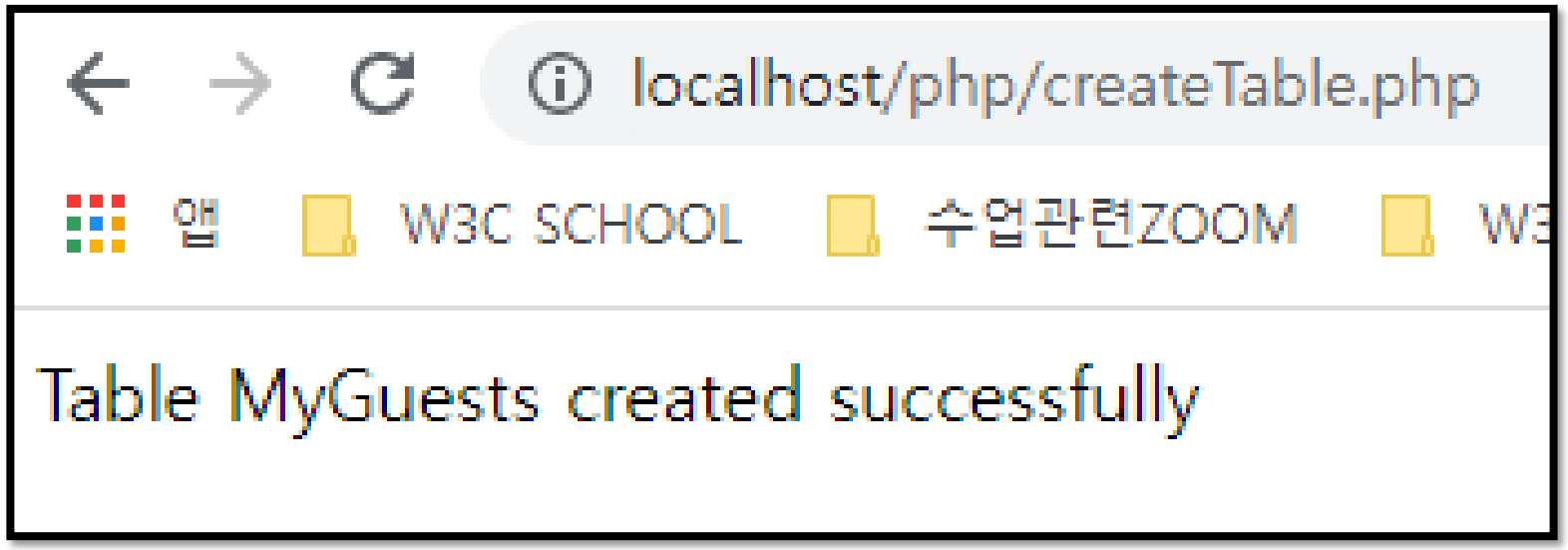
https://www.w3schools.com/php/php_mysql_create_table.asp

A database table has its own unique name and consists of columns and rows.

```
CREATE TABLE MyGuests (
id INT(6) UNSIGNED AUTO_INCREMENT PRIMARY KEY,
firstname VARCHAR(30) NOT NULL,
lastname VARCHAR(30) NOT NULL,
email VARCHAR(50),
reg_date TIMESTAMP DEFAULT CURRENT_TIMESTAMP ON UPDATE CURRENT_TIMESTAMP
)
```

```php
<?php
$servername = "localhost";
$username = "username";
$password = "password";
$dbname = "myDB";

// Create connection
$conn = new mysqli($servername, $username,
// Check connection
if ($conn->connect_error) {
  die("Connection failed: " . $conn->conne
}

// sql to create table
$sql = "CREATE TABLE MyGuests (
id INT(6) UNSIGNED AUTO_INCREMENT PRIMARY
firstname VARCHAR(30) NOT NULL,
lastname VARCHAR(30) NOT NULL,
email VARCHAR(50),
reg_date TIMESTAMP DEFAULT CURRENT_TIMESTAMP ON UPDATE CURRENT_TIMESTAMP
)";

if ($conn->query($sql) === TRUE) {
  echo "Table MyGuests created successfully";
} else {
  echo "Error creating table: " . $conn->error;
}

$conn->close();
?>
```


```php
// sql to create table
$sql = "CREATE TABLE MyGuests (
id INT(6) UNSIGNED AUTO_INCREMENT PRIMARY KEY,
firstname VARCHAR(30) NOT NULL,
lastname VARCHAR(30) NOT NULL,
email VARCHAR(50),
reg_date TIMESTAMP DEFAULT CURRENT_TIMESTAMP ON UPDATE CURRENT_TIMESTAMP
)";

if ($conn->query($sql) === TRUE) {
  echo "Table MyGuests created successfully";
} else {
  echo "Error creating table: " . $conn->error;
}
```


localhost/php/createTable.php
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수업관련ZOOM
Table MyGuests created successfully

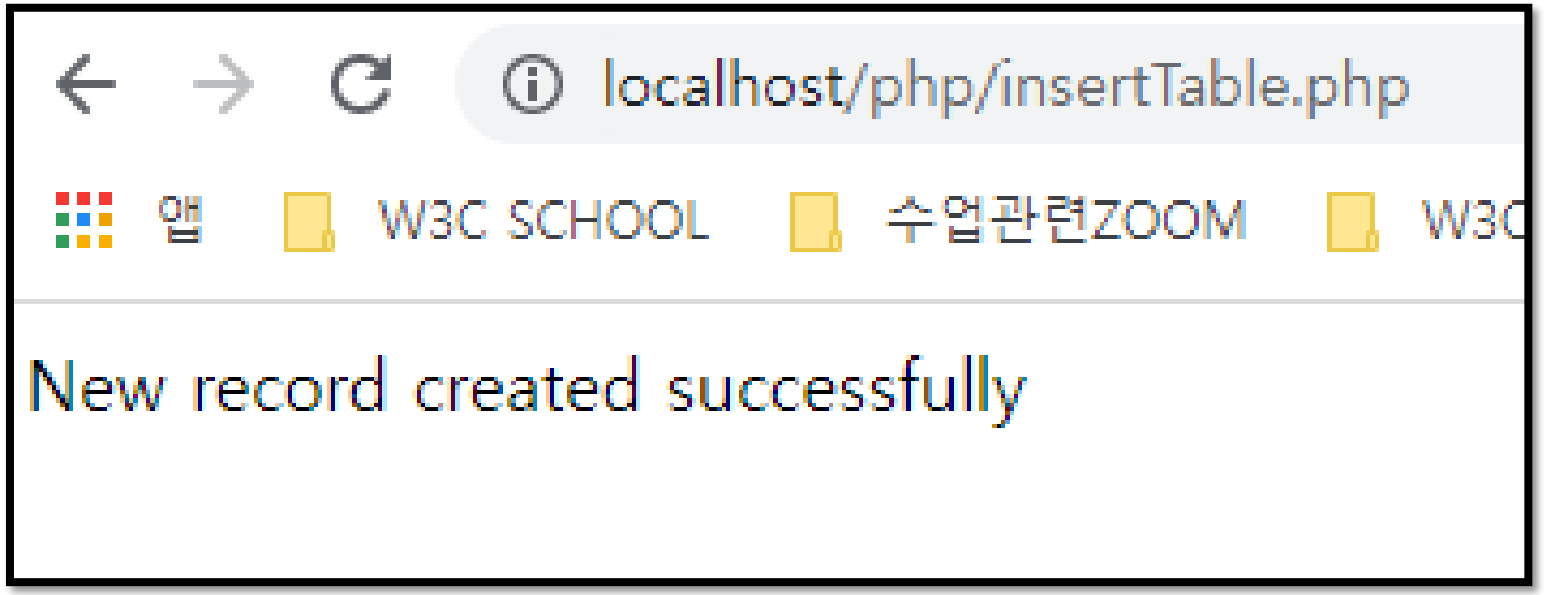
Insert Data Into MySQL Using MySQLi

https://www.w3schools.com/php/php_mysql_insert.asp

```
INSERT INTO table_name (column1, column2, column3,...)
VALUES (value1, value2, value3,...)
```

```php
<?php
$servername = "localhost";
$username = "username";
$password = "password";
$dbname = "myDB";

// Create connection
$conn = new mysqli($serve
// Check connection
if ($conn->connect_error)
  die("Connection failed:
}

$sql = "INSERT INTO MyGue
VALUES ('John', 'Doe', 'j

if ($conn->query($sql) ==
  echo "New record create
} else {
  echo "Error: " . $sql .
}

$conn->close();
?>
```

```php
$sql = "INSERT INTO MyGuests (firstname, lastname, email)
VALUES ('John', 'Doe', 'john@example.com')";

if ($conn->query($sql) === TRUE) {
  echo "New record created successfully";
} else {
  echo "Error: " . $sql . "<br>" . $conn->error;
}
```


localhost/php/insertTable.php
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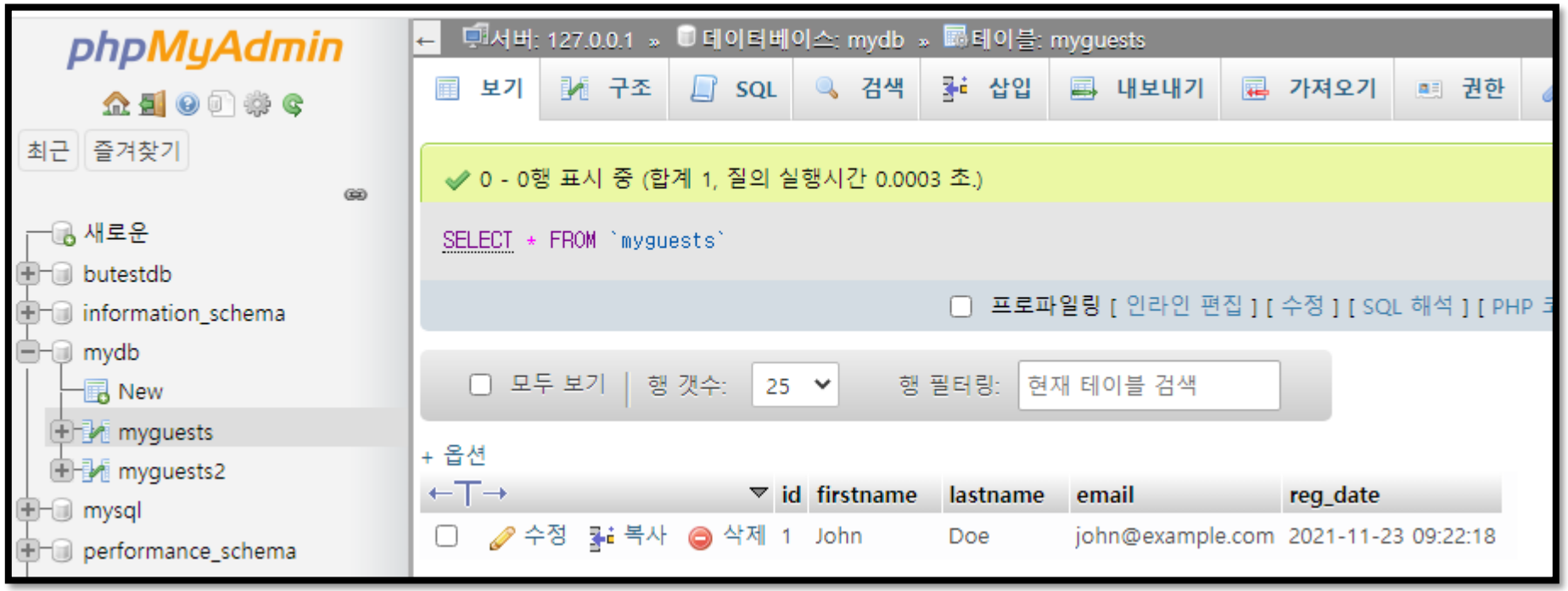
W3C
New record created successfully


phpMyAdmin
최근
즐겨찾기
새로운
butestdb
information_schema
mydb
New
myguests
myguests2
mysql
performance_schema
서버: 127.0.0.1 » 데이터베이스: mydb » 테이블: myguests
보기
구조
SQL
검색
삽입
내보내기
가져오기
권한
0 - 0행 표시 중 (합계 1, 질의 실행시간 0.0003 초.)
SELECT * FROM `myguests`
프로파일링 [인라인 편집] [수정] [SQL 해석] [PHP
모두 보기
행 갯수: 25
행 필터링: 현재 테이블 검색
+ 옵션
id
firstname
lastname
email
reg_date
수정
복사
삭제
1
John
Doe
john@example.com
2021-11-23 09:22:18