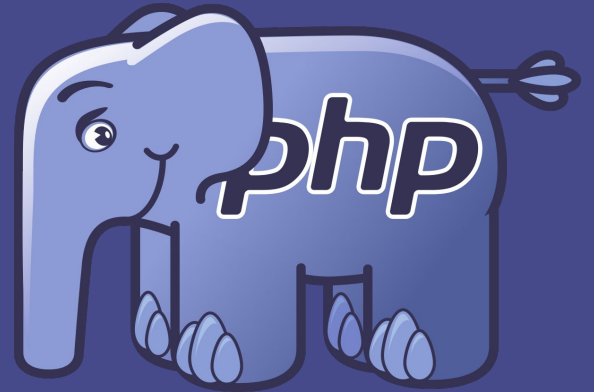# PHP Course Lecture 5

Temuri Takalandze

@ABGEO

Connect to MySQL Database

```php
<?php
    $connection = new PDO('mysql:host={host_or_ip};dbname={name}', 'username', 'password');
```

Select data from Database

```php
<?php
    $connection = new PDO('mysql:host={host_or_ip};dbname={name}', 'username', 'password');
    $statement = $connection->query('SELECT * FROM user');
    $data = $statement->fetchAll();

    print_r($data);
```

Insert data into Database

```php
<?php
    $connection = new PDO('mysql:host=' . DB_HOST . ';dbname=' . DB_NAME, DB_USER, DB_PASSWORD);
    $statement = $connection->query('INSERT INTO user (`first_name`, `last_name`, `age`) VALUES ("Jane", "Doe", 26);');
```

Update data in Database

```php
<?php
    $connection = new PDO('mysql:host=' . DB_HOST . ';dbname=' . DB_NAME, DB_USER, DB_PASSWORD);
    $statement = $connection->query('UPDATE user SET `age` = 27 WHERE id = 1;');
```

Remove data from Database

```php
<?php
    $connection = new PDO('mysql:host=' . DB_HOST . ';dbname=' . DB_NAME, DB_USER, DB_PASSWORD);
    $statement = $connection->query('DELETE FROM user WHERE `id` = 1;');
```

SQL Injection protection

```php
<?php
    $name = 'John';

    $connection = new PDO('mysql:host={host_or_ip};dbname={name}', 'username', 'password');
    $statement = $connection->query("SELECT * FROM user WHERE `first_name` = '{$name}';");
    $statement->execute();
    $result = $statement->fetchAll(PDO::FETCH_ASSOC);

    var_dump($result);
```

```php
<?php
    $name = 'John';

    $connection = new PDO('mysql:host={host_or_ip};dbname={name}', 'username', 'password');
    $statement = $connection->prepare("SELECT * FROM user WHERE `first_name` = :name;");
    $statement->bindParam('name', $name);
    $statement->execute();
    $result = $statement->fetchAll(PDO::FETCH_ASSOC);

    var_dump($result);
```