

Using MySQL in PHP



ICS4U - Mr. Emmell

ALWAYS

```
require("database.php");
```

Double check that the file contains the correct credentials for your database

MySQL COMMANDS

```
SELECT * FROM table;
```

```
INSERT INTO table (column1,column2) VALUES(val1, val2);
```

```
DELETE FROM table;
```

```
UPDATE table SET column1="data";
```

use WHERE to match rows

Examples of use - SELECT

```
SELECT * FROM table;
```

```
SELECT * FROM students WHERE fname="Richard";
```

```
SELECT id, fname FROM students WHERE lname="Feynman";
```

Examples of use - INSERT INTO

```
INSERT INTO table (column1,column2) VALUES(val1, val2);
```

```
INSERT INTO customers (fname,lname) VALUES("Jack", "Black");
```

Examples of use - DELETE FROM

```
DELETE FROM table;
```

```
DELETE FROM students WHERE fname="Jack";
```

```
DELETE FROM students WHERE id = 42 AND lname="Black";
```

Examples of use - UPDATE

```
UPDATE table SET column1="data";
```

```
UPDATE students SET fname="Jack" WHERE lname="Black";
```

```
UPDATE customers SET lname="Beeblebrox" WHERE id=42;
```

How do to this within PHP?

```
//create the object itself
$query = $pdo->prepare(SQL STATEMENT);

//Execute the query
$query->execute();

//Get the results as an array
$results = $query->fetchAll(PDO::FETCH_ASSOC);
```

Using the "PDO"
model for updates
and execution within
PHP

How do to this within PHP?

```
//create the object itself
$query = $pdo->prepare("SELECT * FROM table");

//Execute the query
$query->execute();

//Get the results as an array
$results = $query->fetchAll(PDO::FETCH_ASSOC);
```

How do to this within PHP? - SPECIAL

```
//create the object itself
$query = $pdo->prepare("SELECT * FROM table WHERE fname=:first");

//substitute values for your placeholders
$query->bindParam(":first", $someVariable);

//Execute the query
$query->execute();

//Get the results as an array
$results = $query->fetchAll(PDO::FETCH_ASSOC);
```

How do to this within PHP? - SPECIAL

```
//create the object itself
$query = $pdo->prepare("INSERT INTO students (fname,lname) VALUES (:one, :two)");

//substitute values for your placeholders
$query->bindParam(":one", $someVariable);
$query->bindParam(":two", $someOtherVariable);

//execute the query
$query->execute();

//Get the results as an array
$results = $query->fetchAll(PDO::FETCH_ASSOC);
```