

Using MySQL in PHP

ICS4U - Mr. Emmell

ALWAYS

```
include "database.php";
```

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 table WHERE fname="Steve";

SELECT id,fname FROM table WHERE lname="Emmell";

Examples of use - INSERT INTO

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

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

Examples of use - DELETE FROM

```
DELETE FROM table;
```

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

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

Examples of use - UPDATE

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

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

```
UPDATE table 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");

//Execute the query
$query->execute( array ("first" => $someVariable) );

//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 table (fname,lname) VALUES(:one,:two)");

//Execute the query
$query->execute( array (
    "one"    => $someVariable,
    "two"    => $someOtherVariable
));

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