More MySQL

ICS4U - Mr. Emmell

1

How would you use this?

Most often, your database queries are based on web form submissions.
Imagine a form that ends up submitting with `$_POST['searchCriteria']` - let's extend yesterday's example:

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

    $query = $pdo->prepare("SELECT *
                FROM test
                WHERE fname = :firstName");
    $query->bindParam(':firstName',$_POST['searchCriteria']);
    $query->execute();

    $results = $query->fetchAll(PDO::FETCH_ASSOC);
    print_r($results);
?>
```

2

Did you see that?

We bind (substitute / replace) a parameter in our MySQL query with an actual value

```
$query = $pdo->prepare("SELECT *
                FROM test
                WHERE fname = :firstName");
$query->bindParam(':firstName',$_POST['searchCriteria']);
```

- The parameter name can be anything, just like a variable
- We do this to prevent MySQL Injection, a common security risk that might allow people to insert malicious queries

3

Other commands? - INSERT

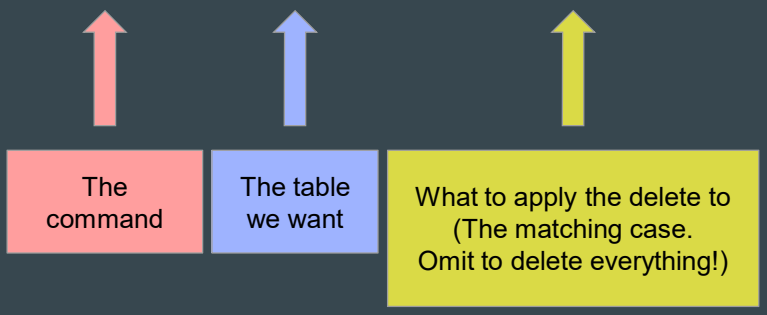
```
INSERT INTO `students` (fName,lName)  VALUES (:placeholder1,:placeholder2)
```

The command	The table we want	The columns we want to input (must specify)	In the same order as our columns, the values we want to submit into each column (always using bindparam after to connect these placeholders with actual values)

4

Other commands? - DELETE

```
DELETE FROM students WHERE stud_id=42
```



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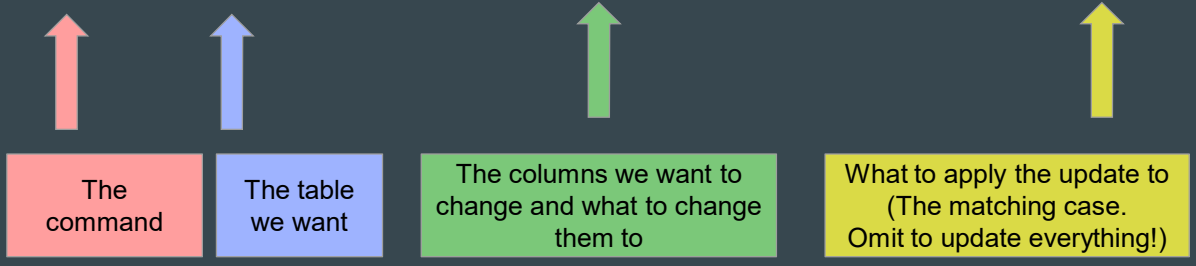
Other commands? - UPDATE

```
UPDATE students SET fname=:placeHolder1,lname=:placeHolder2 WHERE stud_id=42
```



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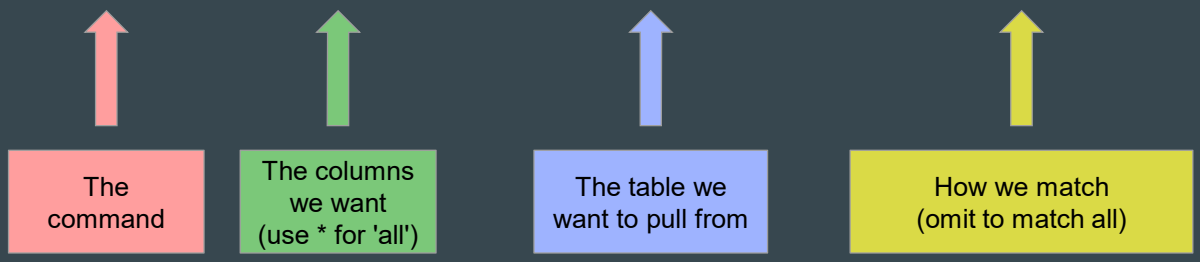
Review - SELECT

```
SELECT firstName,lastName FROM students WHERE studentNum="s123456789"
```



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