**WORKING PHP WITH MYSQL**

PHP provides a bult-in extension called Mysqli for interacting with MySql database from PHP code

The extension is enabled by ensuring the following line

extension=php\_mysqli.dll

The extension provides both an object-oriented and procedural interface for working with MySql

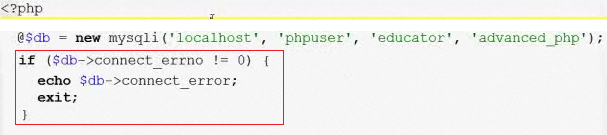
We will be working with the object-oriented interface and utilizing the following provided classes

- MySQLi

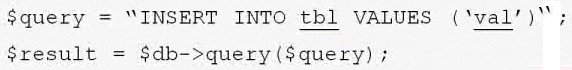
- MySQLi\_Result

**OPEN – CLOSE CONNECTION**

**OPEN CONNECTION**

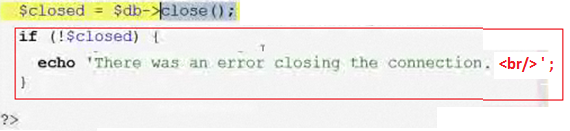


**SQL COMMAND**



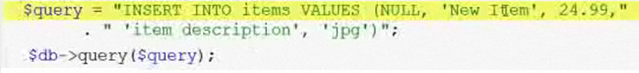
**INSERT – SELECT – DELETE – UPDATE**

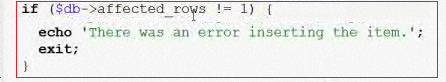
**CLOSE CONNECTION**



**INSERT**

**OPEN CONNECTION**







**CLOSE CONNECTION**

**IMPORTANT**: In the INSERT

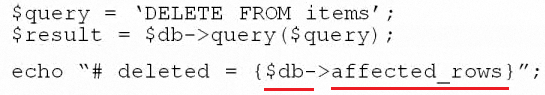
* If $db->affected\_rows is 0 then there was an error
* Once insersed the ID generated is $db->insert\_id

When running the output is:

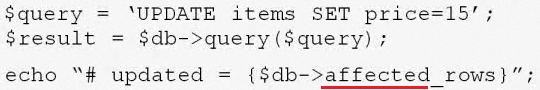


**DELETE / UPDATE**

**OPEN CONNECTION**

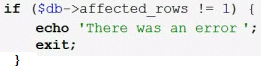
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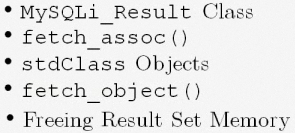
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**CLOSE CONNECTION**

**IMPORTANT:** You may include:



**SELECT**



- SELECT queries are run using MySQLi query method and will return a MySQLi\_Result object

- The MySQLi\_Result class is used to represent result set returned from select queries.

- It has the property num\_rows, and has 2 methods:

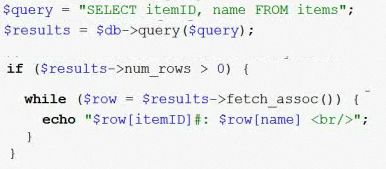
- **fetch\_assoc()** fetch a row of the result set and return it as an associate array

- **fetch\_object()** fetch a row of the result set and return it as an object of class stdClass

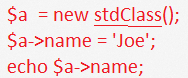
The 2 fetch methods are used to loop over the rows of a result set and will return NULL if there are no more rows in the result set

1. **FECTH\_ASSOC:**

**OPEN CONNECTION**

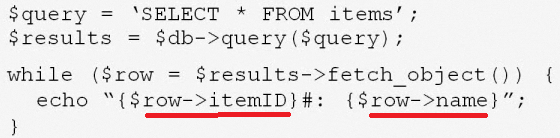


**CLOSE CONNECTION**



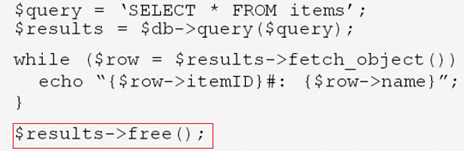
1. **FETCH\_OBJECT: (stdClass() )**

**OPEN CONNECTION**

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**CLOSE CONNECTION**

**IMPORTANT: AFTER PROCESSING A RESULT SET YOU MUST FREE THE MEMORY**

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