

More MySQL Commands

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Outline

- ▶ Assigned Reading
 - ▶ Chapter 6 “Letting the User Edit the Database”
- ▶ CREATE
- ▶ ALTER
- ▶ INSERT
- ▶ UPDATE
- ▶ DELETE
- ▶ Ch 6 Code Example Demo/Walkthrough

CREATE TABLE

- ▶ Create a new table
 - ▶ Ch 3 - createmovie.php

```
CREATE TABLE table_name
(column_1 type NULL,
 column_2 type NULL,
 ...
 PRIMARY KEY (column)
)
```

<http://dev.mysql.com/doc/refman/5.1/en/create-table.html>

ALTER TABLE

- ▶ Add new columns to existing table
 - ▶ Ch 4 - alter_movie.php

```
ALTER TABLE table_name ADD COLUMN
(column_1 type NULL,
 column_2 type NULL,
 ...
)
```

<http://dev.mysql.com/doc/refman/5.1/en/alter-table.html>

INSERT

- ▶ Add new data to existing columns
 - ▶ Ch 3 - moviedata.php

```
INSERT INTO table_name
(column_1, column_2, column_3, ...)
VALUES
('value_1', 'value_2', 'value_3', ...)
```

<http://dev.mysql.com/doc/refman/5.1/en/insert.html>

UPDATE

- ▶ Change existing data
 - ▶ Ch 4 - alter_movie.php

```
UPDATE table_name
SET
  column_1=value_1,
  column_2=value_2,
  column_3=value_3,
  ...
WHERE id = index
```

<http://dev.mysql.com/doc/refman/5.1/en/update.html>

DELETE

- ▶ Remove row

- ▶ Ch 6 - delete.php

Deletes just a single row (LIMIT=1)

```
DELETE FROM table_name
WHERE id = index
LIMIT 1
```

Remember that we want to avoid "404 Errors" in the database.

So, if you're deleting something that is referenced in another table, edit that table to remove the reference *before* deleting the item. (*Cascading delete*)

<http://dev.mysql.com/doc/refman/5.1/en/delete.html>

Outline

- ▶ CREATE

- ▶ ALTER

- ▶ INSERT

- ▶ UPDATE

- ▶ DELETE

Up Next:
Project 1 Status Reports,
Lab 2 - Forms and MySQL

- ▶ Ch 6 Code Example
Demo/Walkthrough

Demo/Walkthrough Time

- ▶ Examples from Chapter 6

<https://mweigle418.cs.odu.edu/~mweigle/textbook/ch06.htm>

- ▶ Setup the Environment
- ▶ Inserting a Record
- ▶ Deleting a Record
- ▶ Editing Data