SQL Syntax

Housekeeping

- Don't forget to sign in!

- PHP Storm certificate

Whole Database Commands

CREATE {DATABASE | SCHEMA} [IF NOT EXISTS] db_name

ALTER {DATABASE | SCHEMA} [db_name] alter_specification …

DROP {DATABASE | SCHEMA} [IF EXISTS] db_name

Table Commands

CREATE [TEMPORARY] TABLE [IF NOT EXISTS] tbl_name

ALTER [ONLINE | OFFLINE] [IGNORE] TABLE tbl_name

DROP [TEMPORARY] TABLE [IF EXISTS] tbl_name

TRUNCATE [TABLE] tbl_name

CREATE Examples

```
CREATE TABLE t1 (a INTEGER,b CHAR(10));
```

ALTER TABLE Examples

```
ALTER TABLE t1 RENAME t2;

ALTER TABLE t2 ADD d TIMESTAMP;

ALTER TABLE t2 ADD INDEX (d), ADD
UNIQUE (a);
```

DROP and TRUNCATE

DROP [TEMPORARY] TABLE [IF EXISTS] tbl_name

TRUNCATE [TABLE] tbl_name

(both require DROP Privileges)

SELECT (the basics)

SELECT

FROM

WHERE

ORDER BY

SELECT (MySQL)

```
SELECT
    [ALL | DISTINCT | DISTINCTROW ]
      [HIGH_PRIORITY]
      [STRAIGHT_JOIN]
      [SQL_SMALL_RESULT] [SQL_BIG_RESULT] [SQL_BUFFER_RESULT]
      [SQL_CACHE | SQL_NO_CACHE] [SQL_CALC_FOUND_ROWS]
    select_expr [, select_expr ...]
    [FROM table_references
    [WHERE where_condition]
    [GROUP BY {col_name | expr | position}
      [ASC | DESC], ... [WITH ROLLUP]]
    [HAVING where_condition]
    [ORDER BY {col_name | expr | position}
      [ASC | DESC], ...]
    [LIMIT {[offset,] row_count | row_count OFFSET offset}]
    [PROCEDURE procedure_name(argument_list)]
    [INTO OUTFILE 'file_name' export_options
      | INTO DUMPFILE 'file_name'
      | INTO var_name [, var_name]]
    [FOR UPDATE | LOCK IN SHARE MODE]]
```

SELECT Examples

```
SELECT 1;

SELECT * FROM wp_users;

SELECT user_login, user_email FROM wp_users;

SELECT *
FROM wp_users wp JOIN wp_79_posts wpp
ON wp.ID = wpp.post_author
WHERE wpp.post_status='publish'
ORDER BY wpp.post_date;
```

BEING A
WEB
DESIGNER
— IS EASY. IT'S LIKE —
RIDING A BIKE
EXCEPT THE BIKE IS ON FIRE
YOU'RE ON FIRE
EVERYTHING IS ON FIRE
AND YOU'RE IN HELL

Create Movies

- CREATE TABLE `movies` (

- `ID` int(11) NOT NULL AUTO_INCREMENT,

- `MovieName` varchar(45) DEFAULT NULL,

- `Rating` double DEFAULT NULL,

- `DateAdded` timestamp NULL DEFAULT CURRENT_TIMESTAMP,

- PRIMARY KEY (`ID`)

-) ENGINE=InnoDB AUTO_INCREMENT=2 DEFAULT CHARSET=latin1;

CREATE Ratings

- CREATE TABLE `Rating` (

- `ID` int(11) NOT NULL AUTO_INCREMENT,

- `Rating` int(11) DEFAULT NULL,

- `MovieID` int(11) DEFAULT NULL,

- PRIMARY KEY (`ID`),

- KEY `fk_Rating_Movie_idx` (`MovieID`),

- CONSTRAINT `fk_Rating_Movie` FOREIGN KEY (`MovieID`) REFERENCES `movies` (`ID`) ON DELETE NO ACTION ON UPDATE NO ACTION

-) ENGINE=InnoDB AUTO_INCREMENT=1000001 DEFAULT CHARSET=latin1;

INSERT Statements

- INSERT INTO *table* (*field1*, *field2*)

- VALUES (*value1*, *value2*);

INSERT statements

- `INSERT INTO movies (MovieName, Rating)`
  `VALUES ('Star Wars', 8.0);`

UPDATE statements

- UPDATE *table*

- SET *field = value*

- WHERE *condition;*

UPDATE examples

- UPDATE movies
  SET rating = 2
  WHERE ID = 1;

- UPDATE movies
  SET MovieName = 'Star Wars IV: A New Hope'
  WHERE MovieName = 'Star Wars';

DELETE Statements

```
DELETE FROM table

WHERE condition;
```

DELETE Examples

```
-- Don't do this, deletes everything!

DELETE FROM Movies;


DELETE FROM Movies

WHERE MovieName LIKE '%Matrix%';
```