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| Course: Web Developer | |
| Class #: 20 of 32 | # Class Hours: 3.5 hours |
| Class Title: MySQL1 | |
| Educational Objective:   * Lecture on database terminology * Intro to relational database design, data normalization. * Intro to MySQL Syntax, Basic SQL administration introduction and PHP MyAdmin in CPANEL * Database Design and Relational Databases * Intro to MySQL Syntax * SQL database Types, Users and Mgt. and security * (Master, Model,Msdb,Tempdb),Unique Identifiers, Data Redundancy * Auto Numbers and Primary Keys   Intro to MySQL: basic DB structure (DB->table->row->column), column types, basic I/O (INSERT, UPDATE/REPLACE, SELECT), ODBC, indexes (INDEX vs PRIMARY vs UNIQUE); | |
| Lecture Notes (Attach File \*.pdf) | |
| Class Activity (include here or attach \*.pdf)  Setup MySQL Database, users , on Cpanel  Write a program that stores form input in the DB and retrieves it for display | |
| Class Handouts: (attach file \*pdf)  DB Structure Handout, <http://cse.unl.edu/~sscott/ShowFiles/SQL/CheatSheet/SQLCheatSheet.html> | |
| Homework (include here or attach \*.pdf)   * Read Lesson 18, 19 and 21 in PHP and MySQL Book, Andrea Tarr (pages 227-256 and 275-289) * Work through - www.khanacademy.com - SQL Basics * Work through Treehouse Lesson- Database Foundations lesson   Course Learning Outcomes: As a result of taking this course, the student will be able to:   * Define SQL and general applications. * Explain various database architectures. * Explain the relation between SQL and database operations. * Explain relational database design * Setup databases in CPANEL * Become proficient in PHPMyAdmin and MySQL Databases interfaces * Outline the various SQL commands. * Define various forms of the SELECT statement to query the database including FROM, WHERE, GROUP BY, and ORDER. * Define various forms of the SELECT statement to update the database including FROM, WHERE, GROUP BY, and ORDER. * Use CPANEL to manage users and set data security. | |

Instructor: \_ Date: