

| Handy MySQL Commands   |  |
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| Description  | Command  |
| To login (from unix shell) use -h only if needed.  | [mysql dir]/bin/mysql -h hostname -u root -p   |
| Create a database on the sql server.   | create database [databasename];  |
| List all databases on the sql server.  | show databases;  |
| Switch to a database.  | use [db name];   |
| To see all the tables in the db.   | show tables;   |
| To see database's field formats.   | describe [table name];   |
| To delete a db.  | drop database [database name];   |
| To delete a table.   | drop table [table name];   |
| Show all data in a table.  | SELECT * FROM [table name];  |
| Returns the columns and column information pertaining to the designated table.   | show columns from [table name];  |
| Show certain selected rows with the value "whatever".  | SELECT * FROM [table name] WHERE [field name] = "whatever";  |
| Show all records containing the name "Bob" AND the phone number '3444444'.   | SELECT * FROM [table name] WHERE name = "Bob" AND phone_number = '3444444';                        |
| Show all records not containing the name "Bob" AND the phone number '3444444' order by the phone_number field.                   | SELECT * FROM [table name] WHERE name != "Bob" AND phone_number = '3444444' order by phone_number; |
| Show all records starting with the letters 'bob' AND the phone number '3444444'.   | SELECT * FROM [table name] WHERE name like "Bob%" AND phone_number = '3444444';                    |
| Use a regular expression to find records. Use "REGEXP BINARY" to force case-sensitivity. This finds any record beginning with a. | SELECT * FROM [table name] WHERE rec RLIKE "^a\$";   |

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| Show unique records.  | SELECT DISTINCT [column name] FROM [table name];  |
| Show selected records sorted in an ascending (asc) or descending (desc).                  | SELECT [col1],[col2] FROM [table name] ORDER BY [col2] DESC;  |
| Count rows.   | SELECT COUNT(*) FROM [table name];  |
| Join tables on common columns.  | select lookup.illustrationid, lookup.personid,person.birthday from lookup<br>left join person on lookup.personid=person.personid=statement to join birthday in<br>person table with primary illustration id;  |
| Switch to the mysql db.<br>Create a new user.   | INSERT INTO [table name] (Host,User>Password)<br>VALUES('%','user',PASSWORD('password'));   |
| Change a users password.<br>(from unix shell).  | [mysql dir]/bin/mysqladmin -u root -h hostname.blah.org -p password 'new-password'  |
| Change a users password.<br>(from MySQL prompt).  | SET PASSWORD FOR 'user'@'hostname' = PASSWORD('passwordhere');  |
| Switch to mysql db.Give<br>user privileges for a db.                                      | INSERT INTO [table name]<br>(Host,Db,User,Select_priv,Insert_priv,Update_priv>Delete_priv>Create_priv,Drop_priv)<br>VALUES ('%','db','user','Y','Y','Y','Y','Y','N');   |
| To update info already in a<br>table.   | UPDATE [table name] SET Select_priv = 'Y',Insert_priv = 'Y',Update_priv = 'Y'<br>where [field name] = 'user';   |
| Delete a row(s) from a<br>table.  | DELETE from [table name] where [field name] = 'whatever';   |
| Update database<br>permissions/privileges.  | FLUSH PRIVILEGES;   |
| Delete a column.  | alter table [table name] drop column [column name];   |
| Add a new column to db.   | alter table [table name] add column [new column name] varchar (20);   |
| Change column name.   | alter table [table name] change [old column name] [new column name] varchar (50);   |
| Make a unique column so<br>you get no dupes.  | alter table [table name] add unique ([column name]);  |
| Make a column bigger.   | alter table [table name] modify [column name] VARCHAR(3);   |
| Delete unique from table.   | alter table [table name] drop index [colmn name];   |
| Load a CSV file into a<br>table.  | LOAD DATA INFILE '/tmp/filename.csv' replace INTO TABLE [table name]<br>FIELDS TERMINATED BY ',' LINES TERMINATED BY '\n' (field1,field2,field3);   |
| Dump all databases for<br>backup. Backup file is sql<br>commands to recreate all<br>db's. | [mysql dir]/bin/mysqldump -u root -ppassword --opt >/tmp/alldatabases.sql   |
| Dump one database for<br>backup.  | [mysql dir]/bin/mysqldump -u username -ppassword --databases databasename<br>>/tmp/databasename.sql   |
| Dump a table from a<br>database.  | [mysql dir]/bin/mysqldump -c -u username -ppassword databasename tablename ><br>>/tmp/databasename.tablename.sql  |
| Restore database (or<br>database table) from<br>backup.                                   | [mysql dir]/bin/mysql -u username -ppassword databasename < /tmp/databasename.sql   |
| Create Table Example 1.   | CREATE TABLE [table name] (firstname VARCHAR(20), middleinitial<br>VARCHAR(3), lastname VARCHAR(35),suffix VARCHAR(3),<br>officeid VARCHAR(10),userid VARCHAR(15),username VARCHAR(8),email<br>VARCHAR(35),phone VARCHAR(25), groups<br>VARCHAR(15),datestamp DATE,timestamp time,pgpemail VARCHAR(255)); |
| Create Table Example 2.   | create table [table name] (personid int(50) not null auto_increment primary<br>key,firstname varchar(35),middlename varchar(50),lastname varchar(50) default<br>'bato');  |