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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$"; |
| 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 left join person on lookup.personid=person.personid=statement to join birthday in person table with primary illustration id; |
| Switch to the mysql db. Create a new user. | INSERT INTO [table name] (Host,User,Password) VALUES('%','user',PASSWORD('password')); |
| Change a users password.(from unix shell). | [mysql dir]/bin/mysqladmin -u root -h hostname.blah.org -p password 'new-password' |
| Change a users password.(from MySQL prompt). | SET PASSWORD FOR 'user'@'hostname' = PASSWORD('passwordhere'); |
| Switch to mysql db.Give user privilages for a db. | INSERT INTO [table name] (Host,Db,User,Select\_priv,Insert\_priv,Update\_priv,Delete\_priv,Create\_priv,Drop\_priv) VALUES ('%','db','user','Y','Y','Y','Y','Y','N'); |
| To update info already in a table. | UPDATE [table name] SET Select\_priv = 'Y',Insert\_priv = 'Y',Update\_priv = 'Y' where [field name] = 'user'; |
| Delete a row(s) from a table. | DELETE from [table name] where [field name] = 'whatever'; |
| Update database permissions/privilages. | 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 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 table. | LOAD DATA INFILE '/tmp/filename.csv' replace INTO TABLE [table name] FIELDS TERMINATED BY ',' LINES TERMINATED BY '\n' (field1,field2,field3); |
| Dump all databases for backup. Backup file is sql commands to recreate all db's. | [mysql dir]/bin/mysqldump -u root -ppassword --opt >/tmp/alldatabases.sql |
| Dump one database for backup. | [mysql dir]/bin/mysqldump -u username -ppassword --databases databasename >/tmp/databasename.sql |
| Dump a table from a database. | [mysql dir]/bin/mysqldump -c -u username -ppassword databasename tablename > /tmp/databasename.tablename.sql |
| Restore database (or database table) from backup. | [mysql dir]/bin/mysql -u username -ppassword databasename < /tmp/databasename.sql |
| Create Table Example 1. | CREATE TABLE [table name] (firstname VARCHAR(20), middleinitial VARCHAR(3), lastname VARCHAR(35),suffix VARCHAR(3), officeid VARCHAR(10),userid VARCHAR(15),username VARCHAR(8),email VARCHAR(35),phone VARCHAR(25), groups  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 key,firstname varchar(35),middlename varchar(50),lastname varchar(50) default 'bato'); |