Access monitor: mysql -u [username] -p; (will prompt for password)

Show all databases: show databases;

Access database: mysql -u [username] -p [database] (will prompt for password)

Create new database: create database [database];

Select database: use [database];

Determine what database is in use: select database();

Show all tables: show tables;

Show table structure: describe [table];

List all indexes on a table: show index from [table];

Create new table with columns: CREATE TABLE [table] ([column] VARCHAR(120), [another-column] DATETIME);

Adding a column: ALTER TABLE [table] ADD COLUMN [column] VARCHAR(120);

Adding a column with an unique, auto-incrementing ID: ALTER TABLE [table] ADD COLUMN [column] int NOT NULL AUTO\_INCREMENT PRIMARY KEY;

Inserting a record: INSERT INTO [table] ([column], [column]) VALUES ('[value]', [value]');

MySQL function for datetime input: NOW()

Selecting records: SELECT \* FROM [table];

Explain records: EXPLAIN SELECT \* FROM [table];

Selecting parts of records: SELECT [column], [another-column] FROM [table];

Counting records: SELECT COUNT([column]) FROM [table];

Counting and selecting grouped records: SELECT \*, (SELECT COUNT([column]) FROM [table]) AS count FROM [table] GROUP BY [column];

Selecting specific records: SELECT \* FROM [table] WHERE [column] = [value]; (Selectors: <, >, !=; combine multiple selectors with AND, OR)

Select records containing [value]: SELECT \* FROM [table] WHERE [column] LIKE '%[value]%';

Select records starting with [value]: SELECT \* FROM [table] WHERE [column] LIKE '[value]%';

Select records starting with val and ending with ue: SELECT \* FROM [table] WHERE [column] LIKE '[val\_ue]';

Select a range: SELECT \* FROM [table] WHERE [column] BETWEEN [value1] and [value2];

Select with custom order and only limit: SELECT \* FROM [table] WHERE [column] ORDER BY [column] ASC LIMIT [value]; (Order: DESC, ASC)

Updating records: UPDATE [table] SET [column] = '[updated-value]' WHERE [column] = [value];

Deleting records: DELETE FROM [table] WHERE [column] = [value];

Delete *all records* from a table (without dropping the table itself): DELETE FROM [table]; (This also resets the incrementing counter for auto generated columns like an id column.)

Delete all records in a table: truncate table [table];

Removing table columns: ALTER TABLE [table] DROP COLUMN [column];

Deleting tables: DROP TABLE [table];

Deleting databases: DROP DATABASE [database];

Custom column output names: SELECT [column] AS [custom-column] FROM [table];

Export a database dump (more info [here](http://stackoverflow.com/a/21091197/1815847)): mysqldump -u [username] -p [database] > db\_backup.sql

Use --lock-tables=false option for locked tables (more info [here](http://stackoverflow.com/a/104628/1815847)).

Import a database dump (more info [here](http://stackoverflow.com/a/21091197/1815847)): mysql -u [username] -p -h localhost [database] < db\_backup.sql

Logout: exit