FILTERING RESULTS:

Use the WHERE clause. Examples:

select * from tutorial.us_housing_units

WHERE year >= 1983 AND month = 1

SUMMING COLUMNS:

You can use Algebra in column names.

RENAMING COLUMNS:

Use the AS clause. Example:

SELECT year, month, south+west+midwest+northeast

AS "Total Units" FROM tutorial.us_housing_units

WHERE year >= 2008

ORDERING RESULTS:

Use the ORDER BY clause. Example:

SELECT year, month, price FROM aapl_prices

WHERE year >= 2000

ORDER BY year, month

GENERAL SELECT RECIPE

SELECT column1, aggregate(column2)

FROM databasename.tablename

WHERE columnx ><= somevalue1

GROUP BY column1

ORDER BY columny

HAVING aggregate(column2) ><= somevalue2</pre>

LIMIT x



AGGREGATING:

SUM AVG COUNT

COUNT(DISTINCT)

GROUP_CONCAT

MIN MAX

STDDEV

VARIANCE

Remember, these are usually used in conjunction with a GROUP BY clause

HAVING CLAUSE:

Used to filter results from aggregation. Ex:

Select blah, SUM(blah2) from table

having SUM(blah2) > 10 group by blah

HAVING VS WHERE:

Having clause is used AFTER aggregation runs.

Where clause filters rows BEFORE they even get

Considered for the query.

RENAMING COLUMNS:

Use the AS clause. Example:

SELECT year, month, south+west+midwest+northeast

AS "Total Units" FROM tutorial.us_housing_units

WHERE year >= 2008

DEFINING NEW COLUMNS BASED ON OTHER COLS

Use the CASE statement. Ex:

SELECT col1, CASE WHEN col2 = NULL THEN 0

ELSE col2 **END AS** alias

FROM dbname.tablename

JOIN RECIPE

SELECT col1, col2

FROM db1.table1 tbl1

JOIN db1.table2 tbl2

ON tbl1.colx = tbl2.coly