

PostgreSQL

"FROM y": tells DB which tables hold the data we want
y = list of tables

"WHERE Z": condition, analogous to selection in R.A.
(σ)

"SELECT X": tells the DB what attributes we want (π)

$$\pi_x \sigma_z (Y)$$

where clause

\neq (not equals)
 $<$
 $<=$
 $>$
 $>=$

Strings

LIKE : work w/ wildcards


% : match any sequence of chars

— : " exactly one character

ORDER BY attrib1, attrib2... [ASC/DESC]
optional

JOINS
→ Cartesian product (R.A. "X")

SQL - FROM Table1, Table2 (diff tables)

FROM Table T1, Table T2


\longrightarrow Theta join ($R.A \bowtie_{\theta}$)

SQL FROM Table1 JOIN Table2 ON condition

→ NATURAL JOIN (R.A. \bowtie)

Joins 2 tables on common attributes being equal