

OUT
LINE

nh
@nhatwtf

SQL

BASIC DATA RETRIEVAL

relational database

table/relation
row/record/tuple
column/attribute/field
primary key
foreign key
references
relationship
view
database engine

simple query

SELECT
FROM
WHERE condition
DISTINCT
ORDER BY
ASC & DESC
AS alias
simple expression
string concatenation

data types

integer
float
numeric
string
date
time
datetime

aggregation

MAX & MIN
COUNT
SUM
AVG
GROUP BY
HAVING
NULL

multiple tables

UNION
INTERSECTION
DIFFERENCE / EXCEPT
INNER JOIN
OUTER JOIN
USING
ON

subquery

scalar
uncorrelated
correlated
WITH
ALL & SOME & ANY

tackling

EXISTS
IN & NOT IN
CASE WHEN ELSE END
CROSS JOIN / cartesian product
multiple matches in the same table