

# SQL

Declarative languages, also called nonprocedural or very high level, are programming languages in which (ideally) a program specifies **what is** to be done rather than how to do it.

statement  
↓

SELECT

FROM

clause  
↓

WHERE

ORDER BY

LIMIT

Wille Kolonnen  
Header  
↓

SELECT lastName **AS** ln, firstName **AS** fn

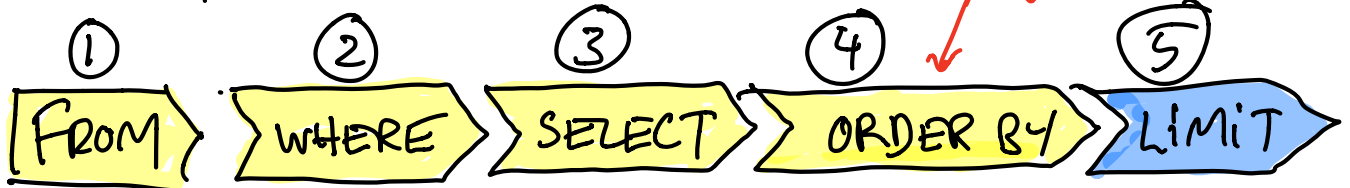
FROM employees ← label

WHERE jobtitle = 'Sales Rep';

ORDER BY **ln** ← alias

LIMIT **10, 20** ← row count  
offset (optional)

How it works:



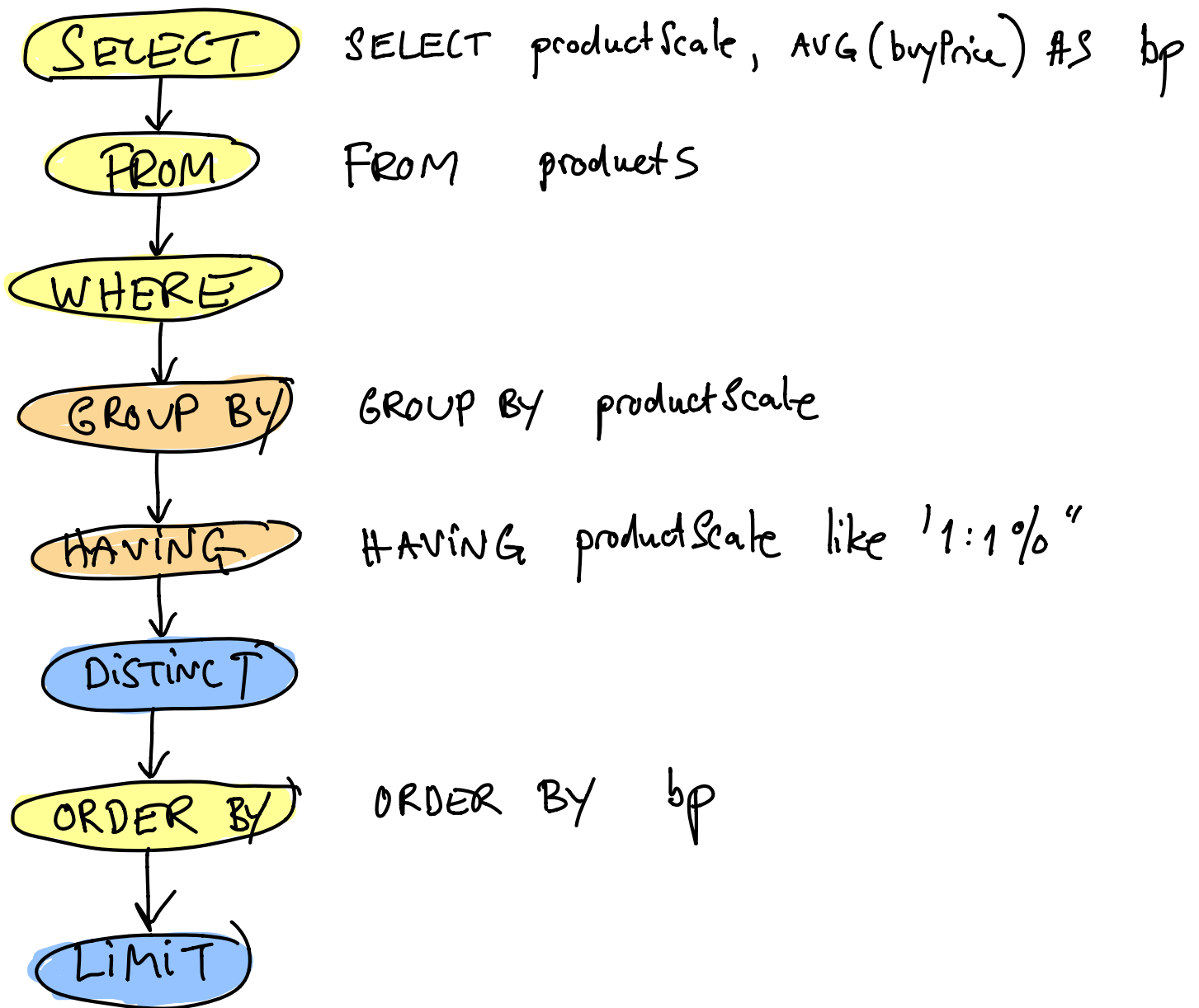
WHERE  
↑  
clause  
"Vorsatz"

sorting  
↓

logical operator  
↓

firstName = 'Jürgen' AND lastName = 'Jonke';

① ← predicates → ②  
↑  
boolean expression  
true/false



How it works :

