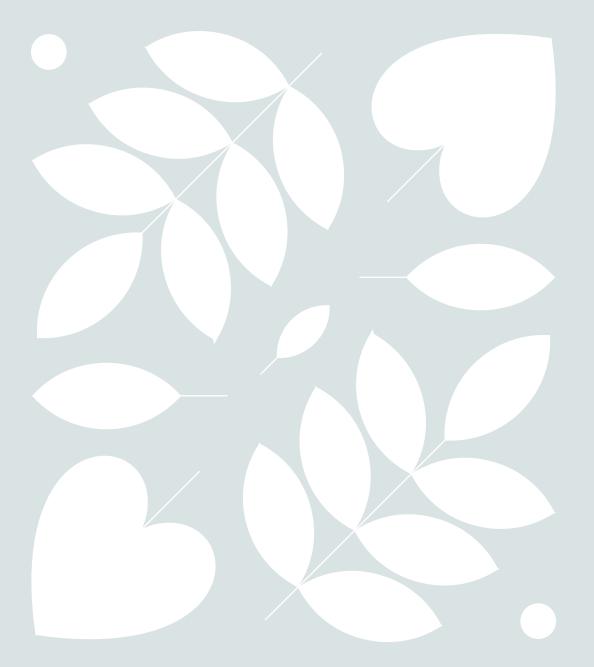
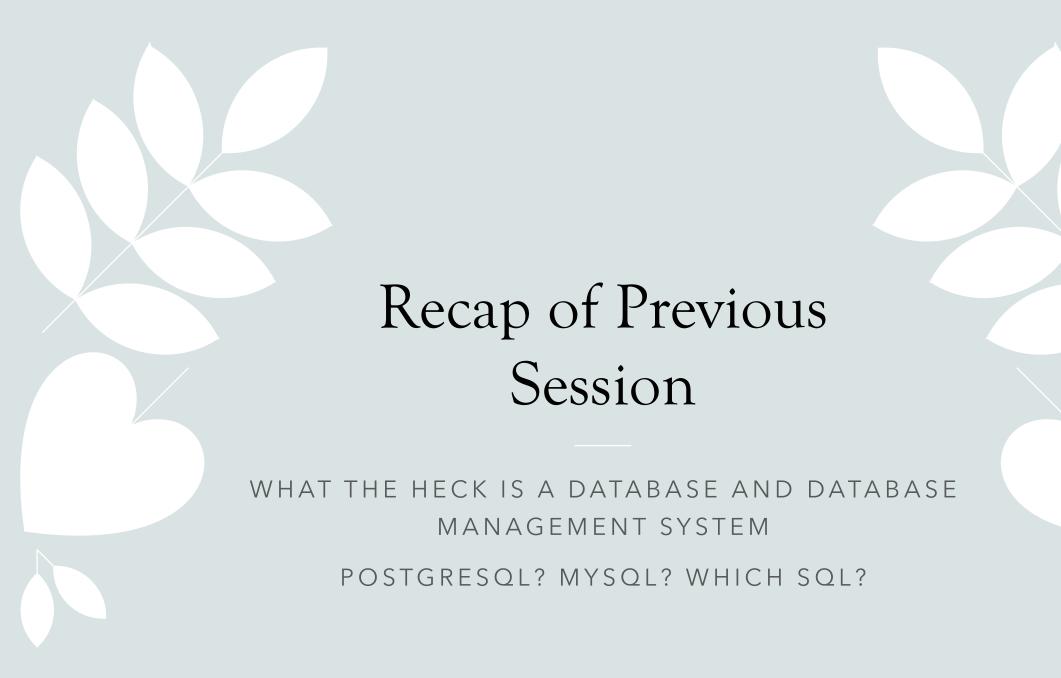
Sorting, Filtering & Joins in SQL

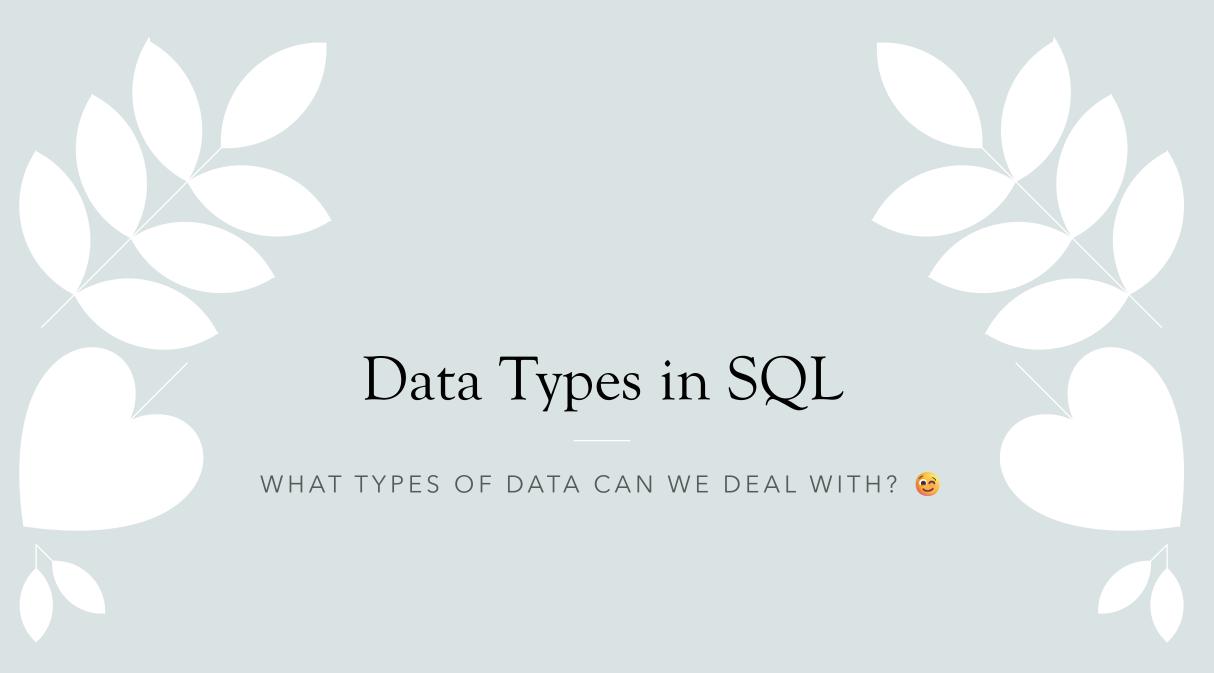
- Zayed

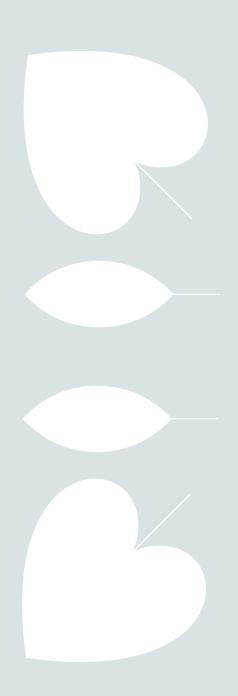


Agenda

- 1. Recap of Previous Session
- 2. Data Types in SQL
- 3. Sorting Data with ORDER BY
- 4. Pattern matching with LIKE
- 5. Aggregating Data
- 6. Join Operations

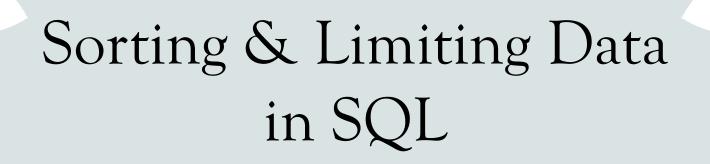






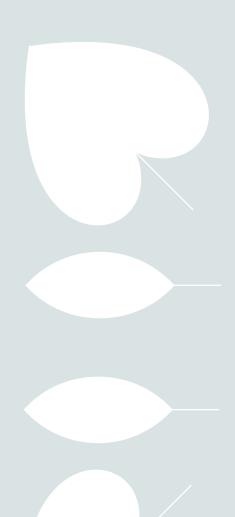
Common Data Types in SQL

- INT
- FLOAT
- VARCHAR
- TEXT
- DATE
- BOOLEAN



ORDER! ORDER! ORDER!

GET YOUR DATA IN LINE!

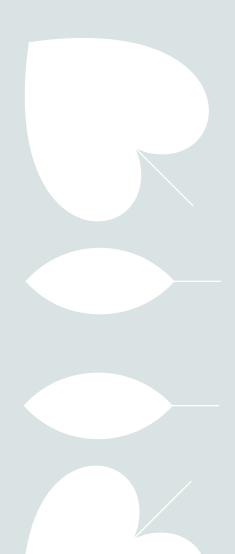


Sorting & Limiting Data in SQL

- ORDER BY Sort Query Result
- ASC / DESC Sorting Order
- LIMIT Limits number of rows to get

Pattern Matching with LIKE in SQL

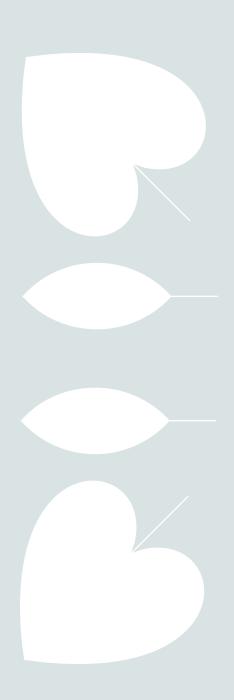
WHAT'S THERE NOT TO LIKE? IT'S JUST PATTERN MATCHING, NOTHING ELSE & ...



Pattern Matching with LIKE in SQL

- LIKE Enables us to match (pattern 6)
- % Any number of character (sequence)
- _ Exactly one character

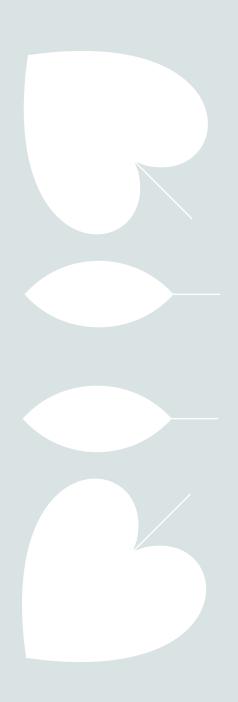




Aggregating Data in SQL

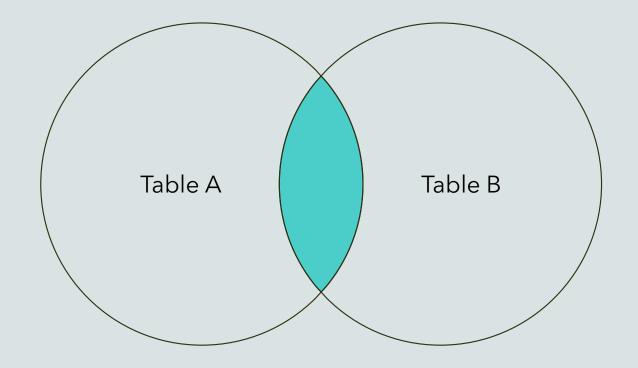
- Aggregate Functions Revise
 - COUNT
 - AVG
 - SUM
 - MIN / MAX
- Group By Groups rows with the Same Values
- Having Filter Groups

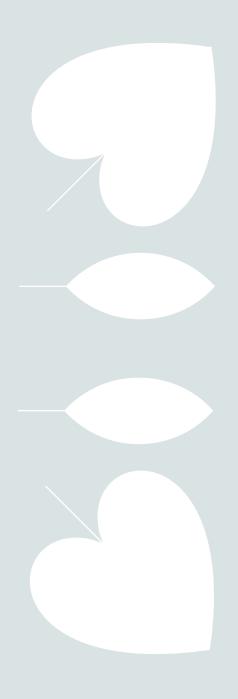




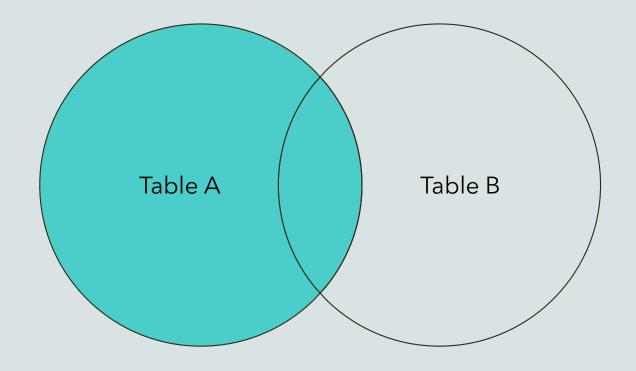
- INNER JOIN Common in Both
- LEFT JOIN All in left + Matched with Right
- RIGHT JOIN All in Right + Matched with Left
- FULL JOIN Everything...

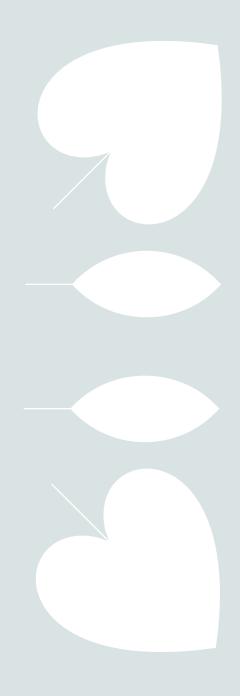
INNER JOIN - Only the Common Matches



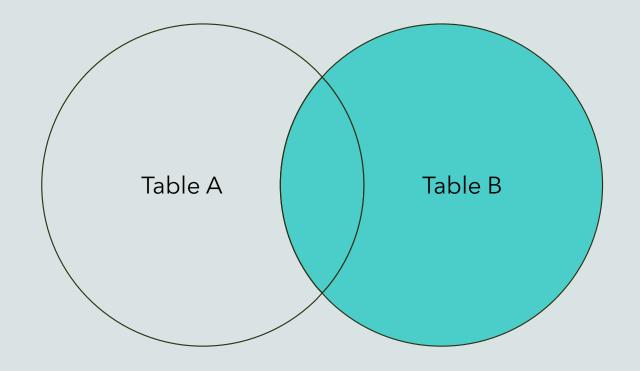


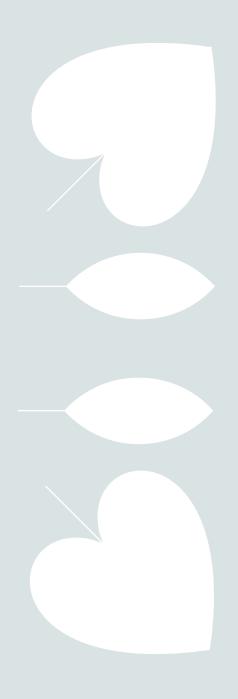
LEFT JOIN - All from Left + Matching from Right



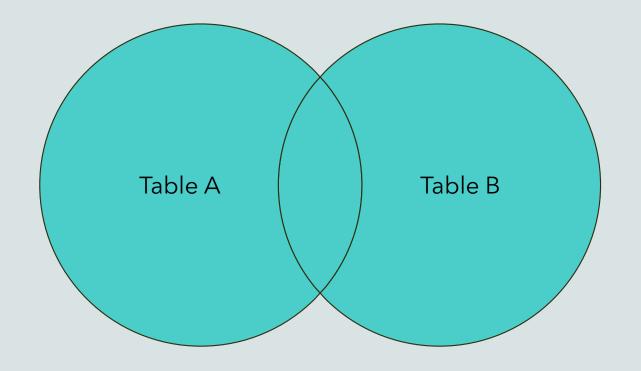


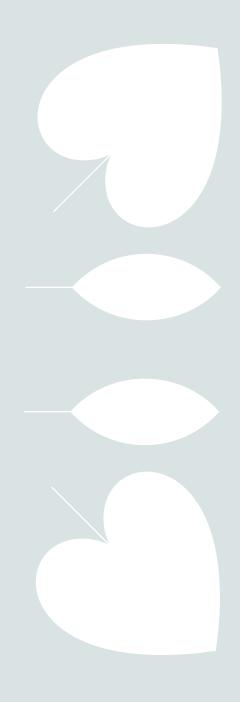
RIGHT JOIN - All from Right + Matching from Left





FULL JOIN - All from Left + All from Right







Thank you

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