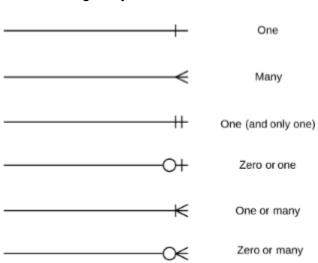
SQL JOIN

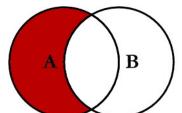
PostgreSQL or Postgres password: postgres1

- Primary Key
 - o Natural Key
 - Surrigate Key
- Foreign Key



A B

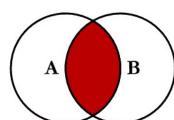
SELECT <select_list>
FROM TableA A
LEFT JOIN TableB B
ON A.Key = B.Key



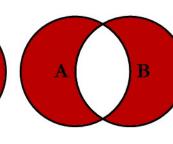
SELECT <select_list>
FROM TableA A
LEFT JOIN TableB B
ON A.Key = B.Key
WHERE B.Key IS NULL

SELECT <select_list>
FROM TableA A
FULL OUTER JOIN TableB B
ON A.Key = B.Key

SQL JOINS

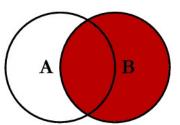


SELECT <select_list>
FROM TableA A
INNER JOIN TableB B
ON A.Key = B.Key

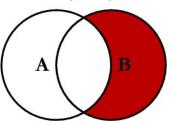


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B



SELECT <select_list> FROM TableA A RIGHT JOIN TableB B ON A.Key = B.Key



SELECT <select_list>
FROM TableA A
RIGHT JOIN TableB B
ON A.Key = B.Key
WHERE A.Key IS NULL

SELECT <select_list>
FROM TableA A
FULL OUTER JOIN TableB B
ON A.Key = B.Key
WHERE A.Key IS NULL
OR B.Key IS NULL

```
Complete SELECT query

SELECT DISTINCT column, AGG_FUNC(column_or_expression), ...
FROM mytable
    JOIN another_table
    ON mytable.column = another_table.column
    WHERE constraint_expression
    GROUP BY column
    HAVING constraint_expression
    ORDER BY column ASC/DESC
    LIMIT count OFFSET COUNT;
```

PostgreSQL Order of Evaluation

The order in which SQL is **written** is similar to the way that we might ask a question. However, SQL statements are not **processed** in the order in which it is written. SQL Statements are processed in a sequence ...

FROM defines the sources, WHERE filters the source rows, GROUP BY aggregates the data, HAVING filters the aggregate rows, SELECT defines the returned attributes (columns) DISTINCT removes duplicate rows, ORDER BY sorts the result rows, and LIMIT restricts the number of rows returned

FROM
WHERE
GROUP BY
HAVING
SELECT
DISTINCT
ORDER BY
LIMIT

Question: Is there a way to use exponents in numbers in SQL?

Answer: All the fun math functions in PostgreSQL at https://www.postgresql.org/docs/7.3/functions-math.html

Giving feedback on your group partners (TPS report)

https://te-reign.azureedge.net/

user: email

password: TechElevatorStudent