

# Joins and read file

Monday, April 8, 2019

1:49 PM

- See previous Pg first.

- (Inner) joins

SELECT attributes

FROM Relation1 JOIN Relation2 ON

Condition

$\Leftrightarrow$

SELECT attributes

FROM Relation1, Relation2 (Inner join)

WHERE Condition; → here make sure on eliminate cross join.

- If any Relation is empty, it will not be joined.

But relation with only NULL will be joined.

- Therefore, you must make sure that table 1 has strictly matching with table 2 if don't want any of element missing.

- Left outer join

- ON cares about R1, makes sure that R1 tuples have matching values.

R1 LEFT OUTER JOIN R2 ON attribute(s)  
(or other condition)

- **Self-join** when a relation occurs twice in the FROM clause.
- import data from file to table.  
.import 'filename.txt' tablename  
.import 'filename.csv' tablename  
update slt ..
- When doing joins problems, think of when table 1 has rows that has no matching row of table 2.