Introduction to MySQL
Session II

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Coalition for Queens

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Quick review

- SELECT
  - How many games are being played in week 9?
  - How many players have projections in week 7?
  - What's the most projected passing touchdowns in week 11?
  - How many RBs do we have projected stats for in week 15?

A useful WHERE function

- LIKE
    - SELECT * FROM players WHERE name LIKE '%John%';

GROUP BY

- What if we want to run the aggregate functions over a group?
  - Total points by player
  - Number of games per week
  - Number of players by position
  - Number of games for each home/away team pair

GROUP BY

- SELECT [fields], [aggregate_function] FROM [table] GROUP BY [fields];

GROUP BY

- SELECT player_id, sum(points) FROM stats GROUP BY player_id;

- SELECT week, count(*) FROM schedule GROUP BY week;

- SELECT position_id, count(*) FROM players GROUP BY position_id;

- SELECT home_id, away_id, count(*) FROM schedule GROUP BY home_id, away_id;

Exercises

- https://github.com/dangoldin/mysql-class/blob/master/session2/exercises2.md

JOIN

- So far, we've only been doing queries on a single table.

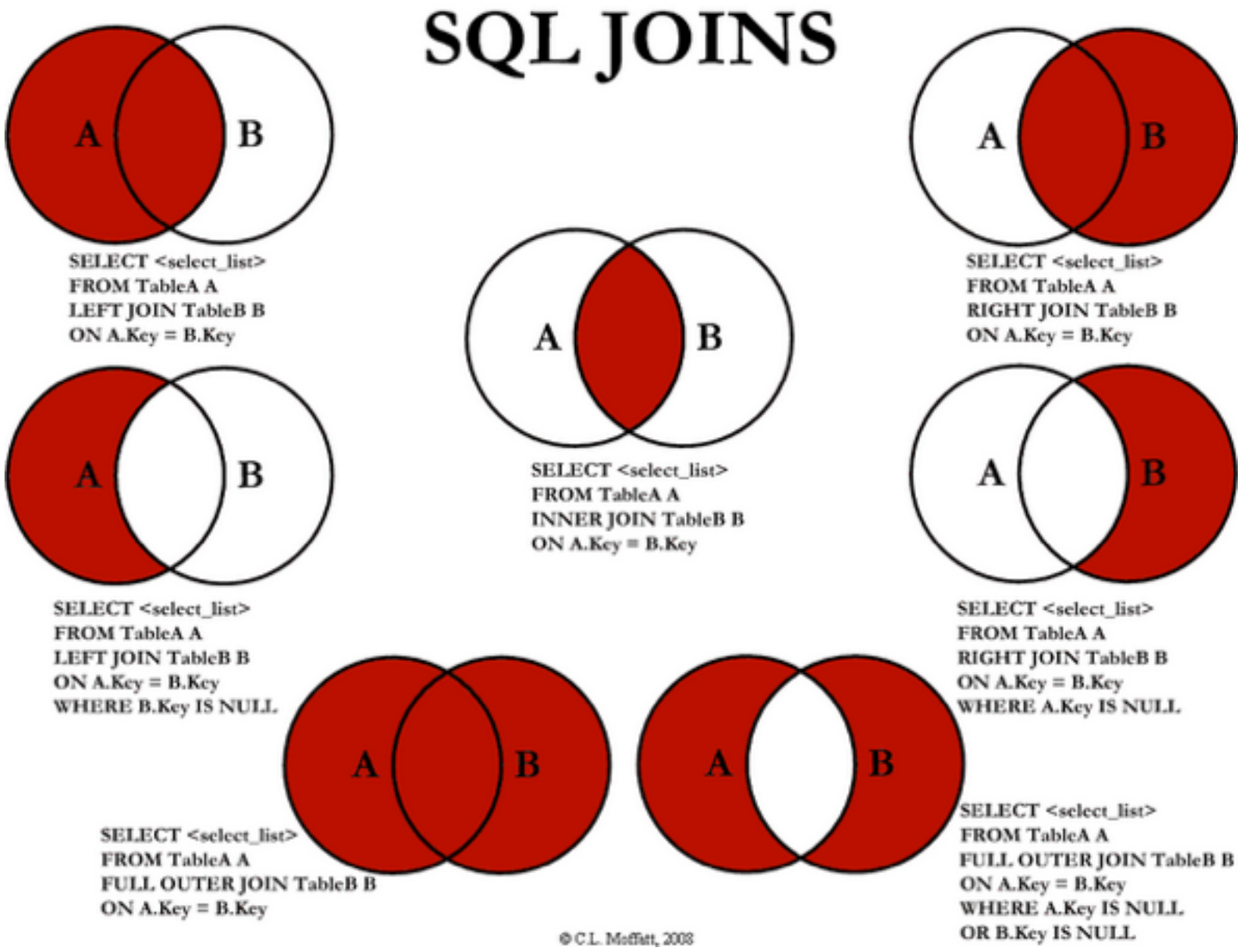
JOIN

- Multiple table joins
    - SELECT [fields] FROM [table1] JOIN [table2] ON [join condition];

JOIN

- SELECT * FROM players JOIN positions ON players.position_id = positions.id;

Inner, Left, Right JOINs



- From: http://www.codeproject.com/Articles/33052/Visual-Representation-of-SQL-Joins

Exercises

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