

Session 12.2 - MySQL Joins and Node

MySQL Joins and Node

Objectives

- Students will create a MySQL relational database, and create tables inside of it
- Students will use the JOIN clause in SQL to combine data from different tables
- Students will make a Node.js script connecting to their MySQL Database.
- Students will write code inside of a Node.js script to perform C.R.U.D on a MySQL database

C.R.U.D.

```
C - CREATE - INSERT INTO pets (name, type, age) VALUES ('fido', 'dog', 3); R - READ - SELECT * FROM pets; U - UDPATE - UPDATE pets SET name='under dog' WHERE type = 'dog'; D - DELETE - DELETE FROM pets WHERE type = 'mouse';
```

Join (SQL)

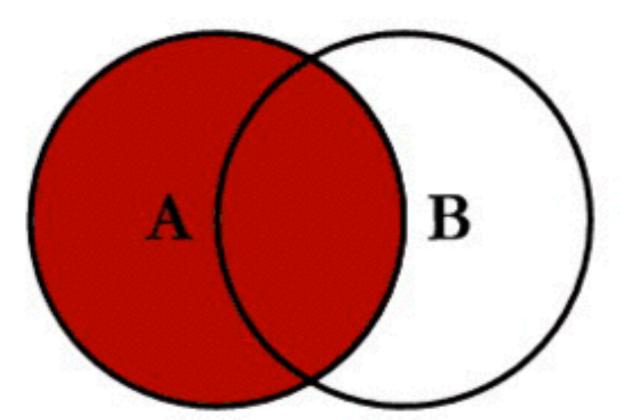
Joins. A join is a query that combines rows from two or more tables, views, or materialized views. Oracle Database performs a join whenever multiple tables appear in the FROM clause of the query. The select list of the query can select any columns from any of these tables.

Types of Joins

INNER JOIN: Returns all rows when there is at least one match in BOTH tables **LEFT JOIN**: Return all rows from the left table, and the matched rows from the right table

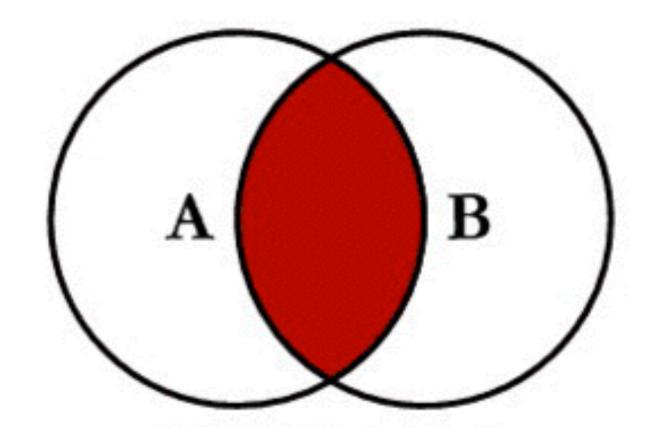
RIGHT JOIN: Return all rows from the right table, and the matched rows from the left table

FULL JOIN: Return all rows when there is a match in ONE of the tables

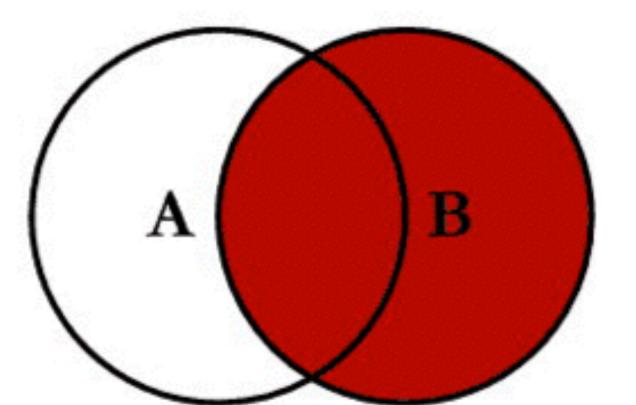


SELECT <select_list>
FROM TableA A
LEFT JOIN TableB B
ON A.Key = B.Key

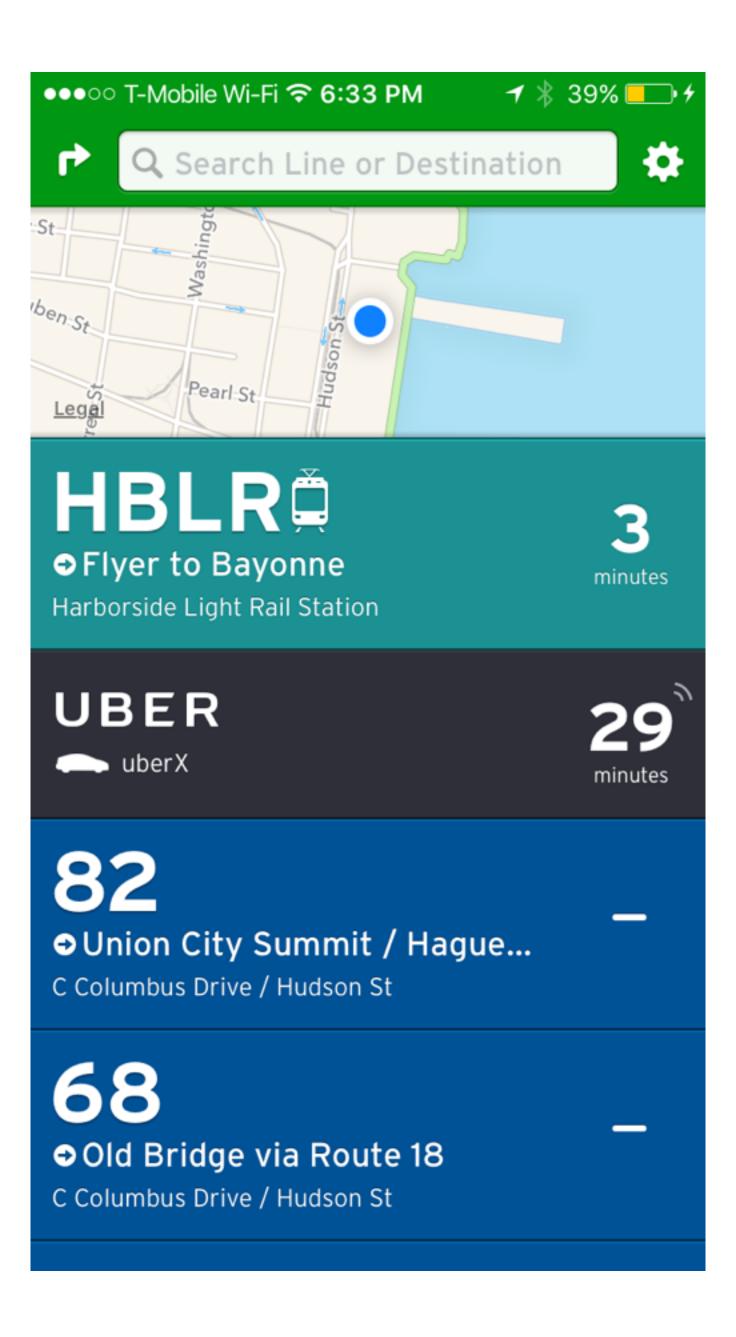
SQLJOINS

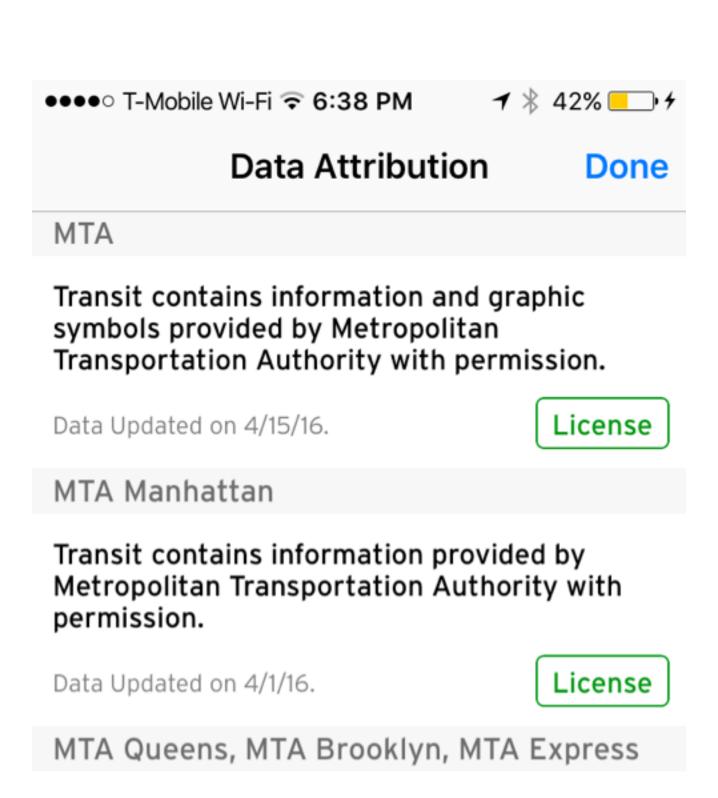


SELECT <select_list>
FROM TableA A
INNER JOIN TableB B
ON A.Key = B.Key



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





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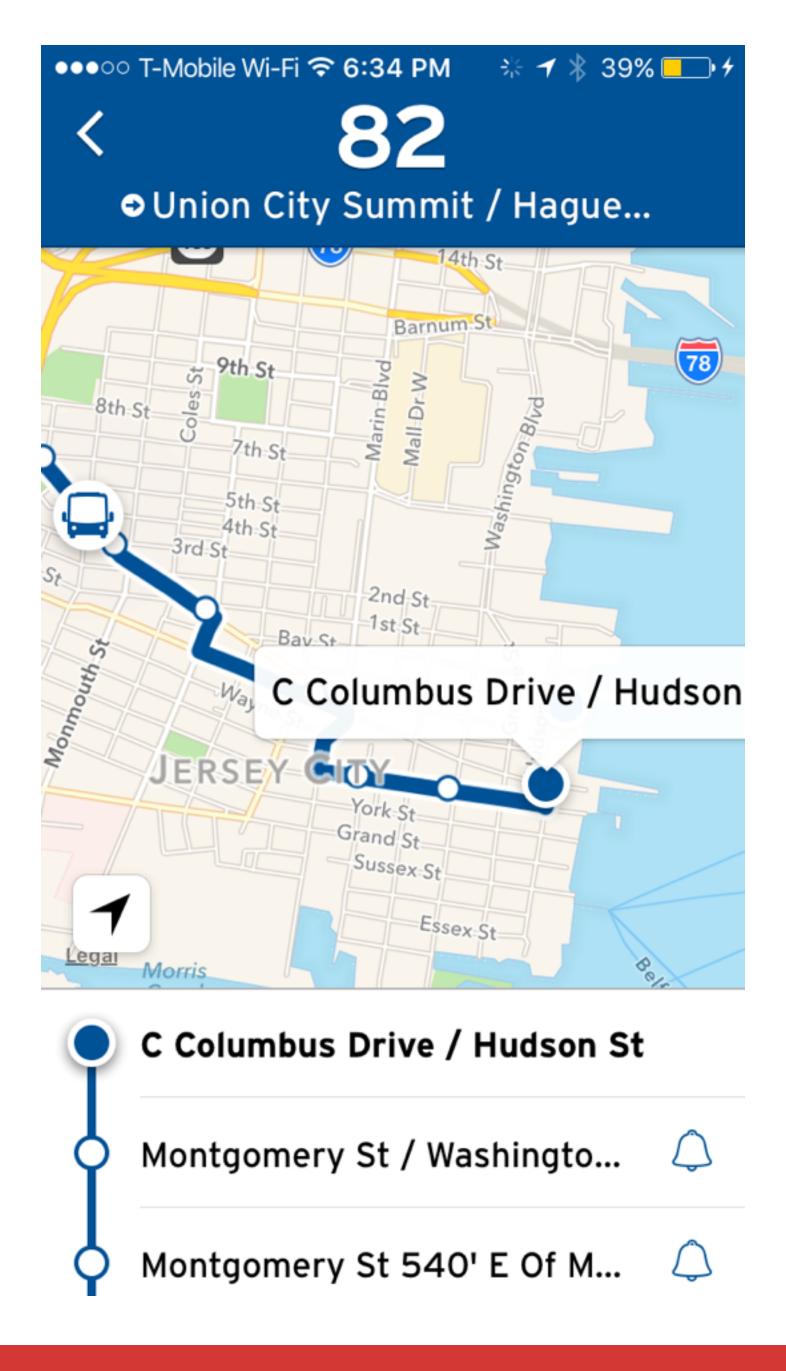
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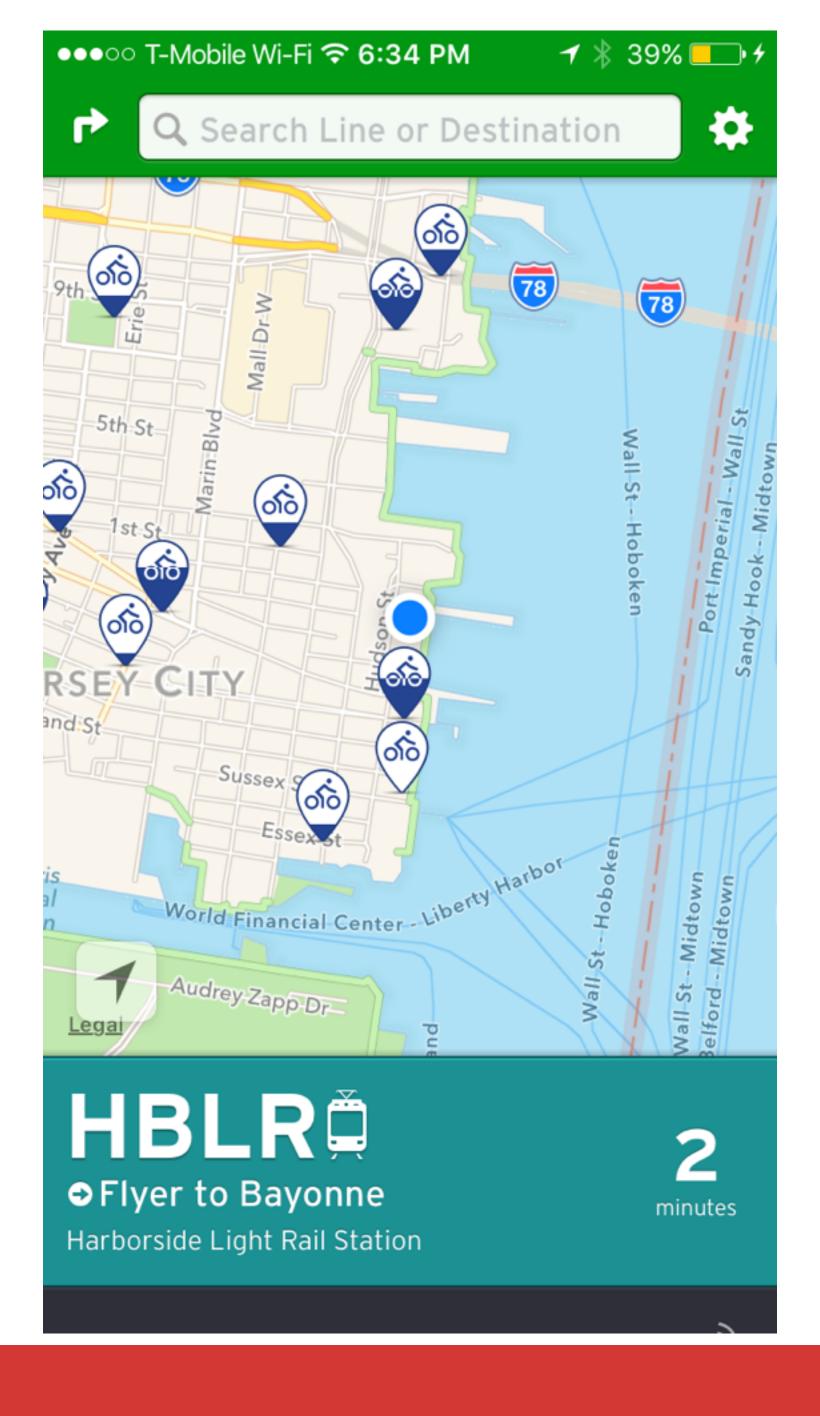
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- Ask for Help the Right Way

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