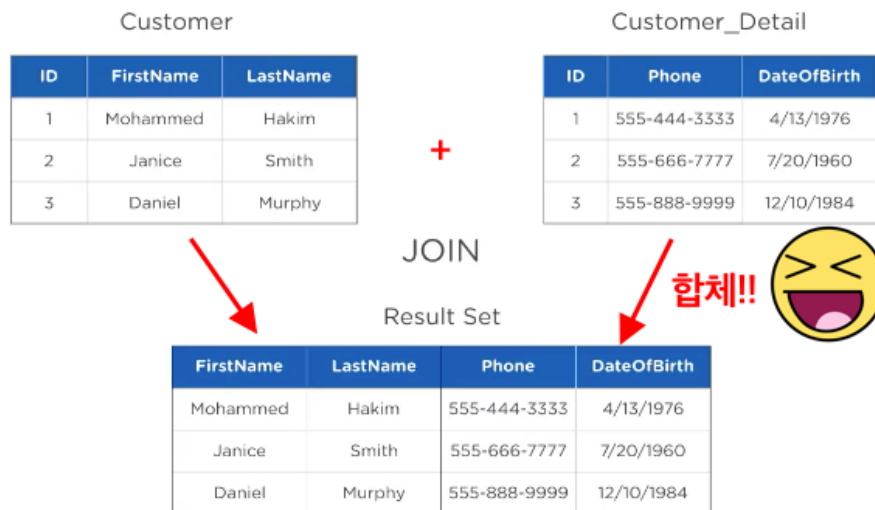# Querying Relational Databases Part 4 Notes

Team Treehouse
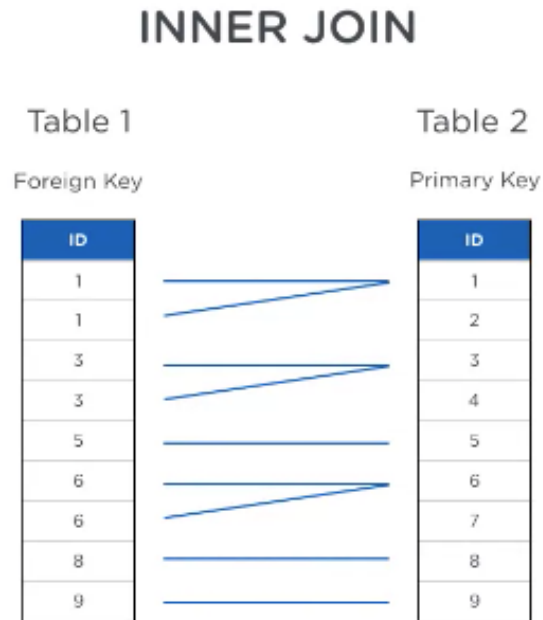
June 7, 2020

1 Join Queries

- Joins two tables into one

- Is used in tables with one to one relationship

2 Inner Joins

INNER JOIN

Table 1   Table 2

Foreign Key   Primary Key

ID
1
1
3
3
5
6
6
8
9

ID
1
2
3
4
5
6
7
8
9

- Is most common type of JOIN

- Is used for joining one to many relationships

- **Syntax:** SELECT *columns name* FROM *table 1 (many) name* INNER JOIN *table 2 (one) name* ON *table 1 name.column name = table 1 name.column name*;

  Example:

```
1    SELECT mk.MakeName = md.ModelName FROM make AS mk
2    INNER JOIN model AS md ON mk.MakeId = md.MakeId;
3
```

```
1 -- SELECT <columns> FROM <table1>  INNER JOIN <table2> ON <equality criteria>
2 --   WHERE <search criteria> ...
3
4 -- What are all Chevy models?
5
6 SELECT mk.MakeName, md.ModelName FROM make AS mk
7   INNER JOIN model AS md ON mk.MakeID = md.MakeID
8   WHERE MakeName = "Chevy";
```

Reset   Run

MakeName	ModelName
Chevy	Impala
Chevy	Cruze
Chevy	Colorado