9/24/18 Notes

<u>**Joining Tables**</u>
- **Join** - to merge two tables together via a common trait
- **Syntax: JOIN** table2 **ON** condition - join values from a table to table2, with rows from one table joining with another if the condition holds for the two rows.

<u>**Types of Joins**</u>
- **Inner Join** - a join between tables such that the join will only return matched rows between two tables.
- **Outer Join** - a join between tables such that the join will return matched rows between two tables, in addition to other rows in some tables, depending on the type of join
    - **Left Outer Join** - this outer join will return rows that match between two tables, and also all rows from the table in the **FROM** clause
    - **Right Outer Join** - this outer join will return rows that match between two tables, and also all rows from the table in the **JOIN** clause
    - **Full Outer Join** - this outer join will return all matched rows, along with all other rows in either table.