

Quiz:

- If you don't specify a join condition in the statement it defaults to cross join.
- **Natural join:** In this the columns with the same name only appear once in the resulting table
- When we join two fields together we expect them to be of a compatible data types.
- Top query: inner join. Bottom query: right outer join.

Joins:

- If we leave out the type of join it defaults to inner join.
- Sequence: Cross join, inner join, evaluate the WHERE condition, sort the remaining rows by the ORDER BY clause.
- We cannot join on a field when a column has the value NULL.
- ALIAS allows to give a table or a column name a temporary name (generally used to make the name more readable). It only lasts till the query.
- **Left Outer Join:**
 - Outer join keyword is optional
 - All the rows in the left table + the matching rows in the right table
- **Right Outer Join:**
 - All the rows from the right table + the matching rows in the left table
- **Full Outer Join:**
 - Doesn't discard any rows

Demo: Creating the initial ERD: Lucidchart

- Github->Repo->Wiki->lucidchart setup link
- Sign In
- Create an Entity Relationship diagram
- Blank ERD-> Create document
- Scroll down on the left pane and find entity relationship
- Choose the 4th one
- Leave the key column blank if the table doesn't have a primary key or a foreign key
- List all the fields that are interesting to you.
- One to many relationship: primary key to foreign key