

How to break down a SQL Problem

1. Look at the question and identify all the tables that are involved in the question.
 - a. Jot these down in your notes first
 - b. Prep the FROM/JOIN clauses after
2. Identify the columns (fields) that you need to either a) display or b) use to create a display
 - a. Start building the SELECT clause
 - b. Start building a subquery FROM/SELECT clauses
3. Identify what will be coalesced with the GROUP BY clause
 - a. Remember the AS for the proper naming conventions
4. Identify the paths used to connect the tables
 - a. Primary to Foreign key
 - b. Multiple PK means compound ON clause (AND each paths)
 - c. These go to the ON clause(s)
5. Build the first draft of the query
 - a. SAVE!
6. Check the results
 - a. Does it match the expected results?
 - b. What is different?
 - c. Ask questions to yourself
7. Add details and update query
 - a. Do you need an ORDER BY clause?
 - b. Adjust column order
8. Repeat as needed!