PostgreSQL Exercises



Previous Exercise

Home / Joins / Sub

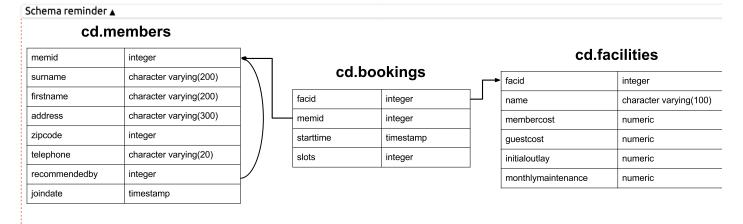
Next Exercis

Produce a list of all members, along with their recommender, using no joins.



Question

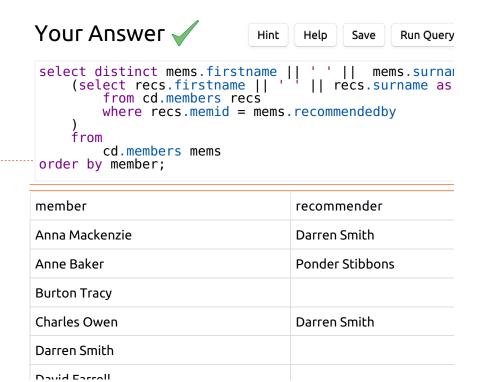
How can you output a list of all members, including the individual who recommended them (if any), without using any joins? Ensure that there are no duplicates in the list, and that each firstname + surname pairing is formatted as a colum and ordered.



1 sur 3 2023-07-05 14 h 37

Expected Results

member	recomme
Anna Mackenzie	Darren Sr
Anne Baker	Ponder S
Burton Tracy	
Charles Owen	Darren Sr
Darren Smith	
David Farrell	
David Jones	Janice Jo
David Pinker	Jemima F
Douglas Jones	David Jor
Erica Crumpet	Tracy Smi



2 sur 3 2023-07-05 14 h 37

Answers and Discussion

Hide

This exercise marks the introduction of subqueries. Subqueries are, as the name implies, queries within a query. They'r commonly used with aggregates, to answer questions like 'get me all the details of the member who has spent the mo hours on Tennis Court 1'.

In this case, we're simply using the subquery to emulate an outer join. For every value of member, the subquery is run once to find the name of the individual who recommended them (if any). A subquery that uses information from the outer query in this way (and thus has to be run for each row in the result set) is known as a *correlated subquery*.

Previous Exercise

Home / Joins / Sub

Next Exercis

3 sur 3 2023-07-05 14 h 37