PostgreSQL Exercises

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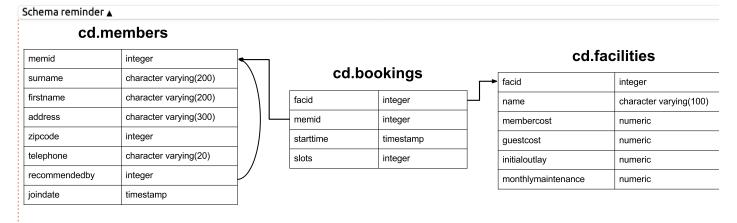
Next Exercis

Work out the start times of bookings for tennis courts



Question

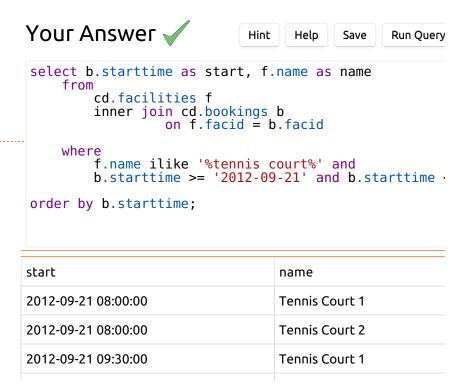
How can you produce a list of the start times for bookings for tennis courts, for the date '2012-09-21'? Return a list of start time and facility name pairings, ordered by the time.



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Expected Results

start	name
2012-09-21 08:00:00	Tennis Court 1
2012-09-21 08:00:00	Tennis Court 2
2012-09-21 09:30:00	Tennis Court 1
2012-09-21 10:00:00	Tennis Court 2
2012-09-21 11:30:00	Tennis Court 2
2012-09-21 12:00:00	Tennis Court 1
2012-09-21 13:30:00	Tennis Court 1
2012-09-21 14:00:00	Tennis Court 2
2012-09-21 15:30:00	Tennis Court 1
2012-09-21 16:00:00	Tennis Court 2



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Answers and Discussion

Hide

This is another INNER JOIN query, although it has a fair bit more complexity in it! The FROM part of the query is easy - we're simply joining facilities and bookings tables together on the facid. This produces a table where, for each row in bookings, we've attached detailed information about the facility being booked.

On to the WHERE component of the query. The checks on starttime are fairly self explanatory - we're making sure that the bookings start between the specified dates. Since we're only interested in tennis courts, we're also using the IN operator to tell the database system to only give us back facility IDs 0 or 1 - the IDs of the courts. There's other ways to express this: We could have used where facs.facid = 0 or facs.facid = 1, or even where facs.name lik 'Tennis%'.

The rest is pretty simple: we SELECT the columns we're interested in, and ORDER BY the start time.

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