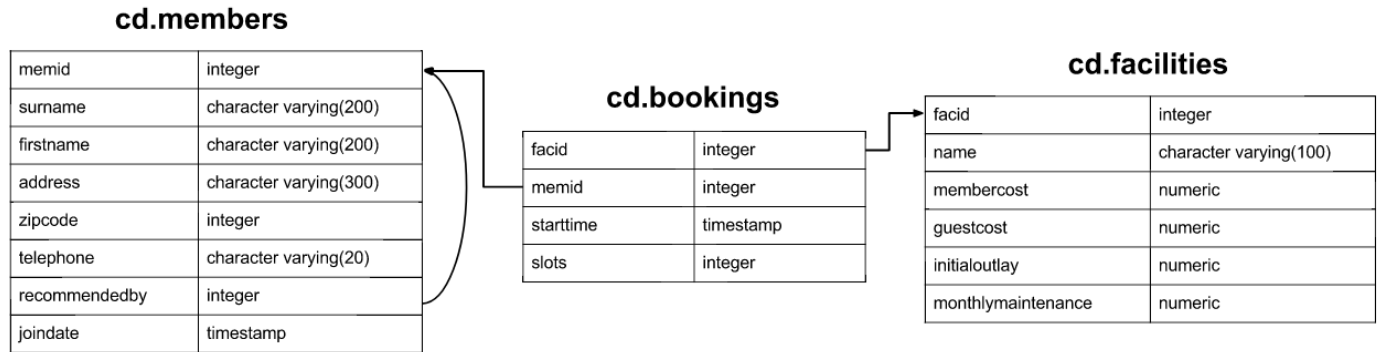


Join Exercises with Solutions



- 1- How can you produce a list of the start times for bookings by members named 'David Farrell'?

SELECT starttime

FROM cd.bookings b INNER JOIN cd.members m ON b.memid = m.memid

WHERE m.firstname='David' AND m.surname='Farrell'

- 2- 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.

SELECT starttime as start, name

FROM cd.bookings b INNER JOIN cd.facilities f ON b.facid = f.facid

WHERE starttime >= '2012-09-21' AND starttime < '2012-09-22'
AND name LIKE 'Tennis Court%'

- 3- How can you output a list of all members who have recommended another member? Ensure that there are no duplicates in the list, and that results are ordered by (surname, firstname).

SELECT DISTINCT n.firstname, n.surname

FROM cd.members m INNER JOIN cd.members n ON m.recommendedby = n.memid

ORDER BY surname, firstname

- 4- How can you output a list of all members, including the individual who recommended them (if any)? Ensure that results are ordered by (surname, firstname).

***SELECT m.firstname as memfname, m.surname as memsname,
r.firstname as recfname, r.surname as recsname
FROM cd.members m LEFT OUTER JOIN cd.members r ON
m.recommendedby = r.memid
ORDER BY m.surname, m.firstname***

- 5- How can you produce a list of all members who have used a tennis court? Include in your output the name of the court, and the name of the member formatted as a single column. Ensure no duplicate data, and order by the member name.

***SELECT DISTINCT CONCAT(firstname, ' ', surname) AS member,
name
FROM cd.members m INNER JOIN cd.bookings b ON m.memid =
b.memid
INNER JOIN cd.facilities f ON b.facid = f.facid
WHERE name LIKE 'Tennis Court%'***

- 6- 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 column and ordered.

***SELECT DISTINCT CONCAT(m.firstname, ' ', m.surname) AS
member, (
SELECT CONCAT(r.firstname, ' ', r.surname) AS
recommender
FROM cd.members r***

WHERE m.recommendedby = r.memid
)

FROM cd.members m
ORDER BY member