

WEEKLY SQL CHALLENGE #36

Data in Motion



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QUESTION 1

Produce a list of members (including guests), along with the number of hours they've booked in facilities, rounded to the nearest ten hours. Rank them by this rounded figure, producing output of first name, surname, rounded hours, rank. Sort by rank, surname, and first name.

```
SELECT
    m.firstname,
    m.surname,
    ((SUM(b.slots)+10)/20)*10 AS hours,
    RANK() over (ORDER BY ((SUM(b.slots)+10)/20)*10 DESC) as rank

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

GROUP BY
    m.firstname,
    m.surname

ORDER BY
    rank, m.surname, m.firstname
```

QUESTION 2

Produce a list of the total number of hours booked per facility, remembering that a slot lasts half an hour. The output table should consist of the facility id, name, and hours booked, sorted by facility id. Try formatting the hours to two decimal places.

```
SELECT
    b.facid,
    f.name,
    ROUND(SUM(b.slots) / 2.0, 2) AS "Total Hours"

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

GROUP BY
    b.facid, f.name
ORDER BY
    b.facid
```