- D_1 : Database about student dormitory containing 5 tables. C_1 : Find the first and last names of the students who are living in the dorms that have a TV Lounge as an amenity.
- Q_1 : How many dorms have a TV Lounge? S_1 : SELECT COUNT(*) FROM dorm AS T1 JOIN has_amenity AS T2 ON T1.dormid = T2.dormid JOIN dorm amenity AS T3 ON T2.amenid = T3.amenid WHERE
- T3.amenity name = 'TV Lounge' Q_2 : What is the total capacity of these dorms? S_2 : SELECT SUM(T1.student capacity) FROM dorm AS T1 JOIN has amenity AS T2 ON T1.dormid = T2.dormid JOIN dorm amenity AS T3 ON T2.amenid = T3.amenid WHERE T3.amenity name = 'TV Lounge' Q_3 : How many students are living there?
- $S_{\scriptscriptstyle 2}$: SELECT COUNT(*) FROM student AS T1 JOIN lives_in AS T2 ON T1.stuid = T2.stuid WHERE T2.dormid IN (SELECT T3.dormid FROM has amenity AS T3 JOIN dorm amenity AS T4 ON T3.amenid = T4.amenid WHERE T4.amenity name = 'TV Lounge') Q_4 : Please show their first and last names.
- S_4 : SELECT T1.fname, T1.lname FROM student AS T1 JOIN
 - lives in AS T2 ON T1.stuid = T2.stuid WHERE T2.dormid IN (SELECT T3.dormid FROM has amenity AS T3 JOIN dorm amenity AS T4 ON T3.amenid =
 - T4.amenid WHERE T4.amenity name = 'TV Lounge')
- D_2 : Database about shipping company containing 13 tables
- C_2 : Find the names of the first 5 customers.
- Q_1 : What is the customer id of the most recent customer? $S_{\scriptscriptstyle 1}$: SELECT customer id FROM customers ORDER BY
 - date became customer DESC LIMIT 1
- Q_2 : What is their name?
- S_2 : SELECT customer name FROM customers ORDER BY
- date became customer DESC LIMIT 1 Q_3 : How about for the first 5 customers? S_{3} : SELECT customer name FROM customers ORDER BY

date became customer LIMIT 5