## DBS\_CP3

```
Last edited by Filip Kopecký just now
```

```
-- UNION This query retrieves the license plates of all cars that have either
-- extremely low mileage (less than 1) or high mileage (greater than 20,000)
-- without duplicates - množinové operace

SELECT plate_number
FROM car

WHERE mileage < 1

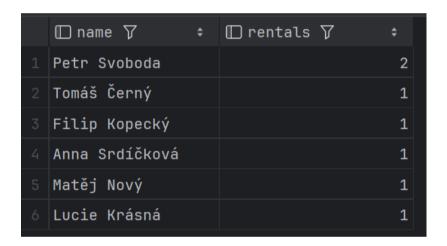
UNION

SELECT plate_number
FROM car

WHERE mileage > 20000;
```

-- Find customers who rented a car more than zero times, sorted by the number of rentals desc - řazení

```
SELECT customer.name, COUNT (*) AS rentals FROM customer
JOIN operation ON (customer.id = operation.customer_id)
JOIN rental ON (operation.id = rental.operation_id)
GROUP BY customer.name
HAVING COUNT (*) > 0
ORDER BY COUNT (*) DESC;
```



```
-- Find the customer with the most rentals - vnořený SELECT, podmínka na data, vnitřní spojení
SELECT name, rentals FROM (
SELECT name, COUNT (*) as rentals FROM customer JOIN operation ON (customer.id = operation.customer_id)
JOIN rental ON (operation.id = rental.operation_id)
GROUP BY customer.name
) AS customer_stats
WHERE rentals = (
SELECT MAX (rentals)
FROM (
SELECT COUNT (*) as rentals
FROM customer
JOIN operation ON customer.id = operation.customer_id
 JOIN rental ON operation.id = rental.operation_id
 GROUP BY customer.name
 ) AS subquery
);
```

```
SELECT plate_number, brand,price_per_day AS price_per_day
FROM (SELECT car.plate_number, car.brand, rental.price_per_day
FROM car

JOIN operation o ON car.id = o.car_id

JOIN rental ON o.id = rental.operation_id

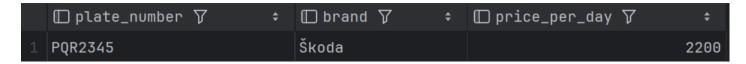
GROUP BY plate_number, price_per_day,car.brand

HAVING price_per_day = (SELECT MAX (price_per_day)
```

FROM (

car JOIN operation o ON car.id = o.car\_id

JOIN rental ON o.id = rental.operation\_id))) as pnbppd;



-- list the brands of cars that individual customers have rented - stránkování

SELECT brand, name FROM

car JOIN operation o on car.id = o.car\_id

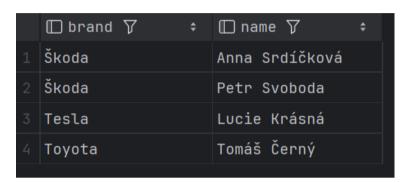
JOIN customer c on o.customer\_id = c.id

JOIN rental r on o.id = r.operation\_id

GROUP BY brand, name

ORDER BY brand ASC

LIMIT 4 OFFSET 2;



-- selects the names of employees who are not assigned to any service, limited by 15 - vnější spojení tabulek

SELECT employee.name

FROM employee

LEFT JOIN is\_responsible\_for ON employee.id = is\_responsible\_for.employee\_id

WHERE is\_responsible\_for.service\_id IS NULL

