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## CS130 Databases

## Lab 2 Report

Lab2\_Q1: Find the number parking events where the colour of the car is Yellow.

**SQL Language:** SELECT \* FROM cs130lab2 WHERE (car\_color='Yellow')

Running result: 124 rows returned





Lab2\_Q2: Find the number of parking events which did not happen on a Saturday or Sunday.

**SQL Language:** SELECT \* FROM cs130lab2 WHERE NOT(parking\_day ='Saturday' OR parking\_day ='Sunday')

Running result: 1666 rows returned





Lab2\_Q3: Find the number of parking events in which a car with a car model name ending in '2500' was involved.

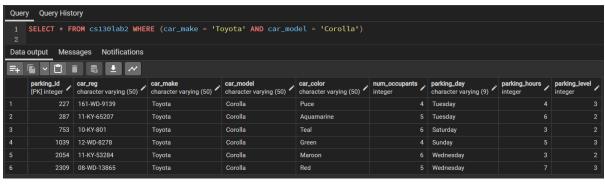
**SQL Language:** SELECT \* FROM cs130lab2 WHERE (car\_model Like '%2500')

Running result: 47 rows returned



Lab2\_Q4: Find the number of parking events in which a car with car make Toyota and car model type Corolla was involved.

**SQL Language:** SELECT \* FROM cs130lab2 WHERE (car\_make = 'Toyota' AND car\_model = 'Corolla') **Running result:** 6 rows returned



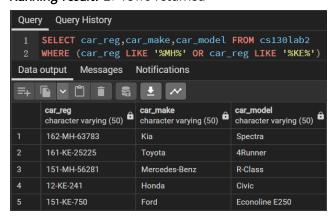


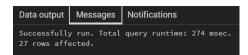
Lab2\_Q5: Return all of the parking events in which cars registered in Meath(MH) or Kildare (KE) were involved. Your query should only display the car reg, car make and car model.

SELECT car\_reg,car\_make,car\_model FROM cs130lab2
WHERE (car\_reg LIKE '%MH%' OR car\_reg LIKE '%KE%')

Running result: 27 rows returned

SQL Language:





Lab2\_Q6: Return all of parking event s in which cars registered in 2016 are involved.

**SQL Language:** SELECT \* FROM cs130lab2 WHERE (car\_reg Like '16%')

Running result: 607 rows returned

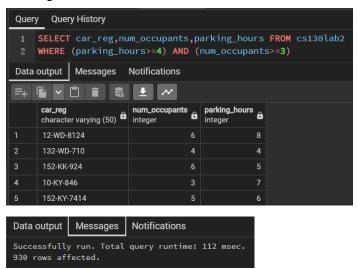


Lab2\_Q7: Return all of the parking events where the cars parked for a duration of four or more hours and had at least three occupants. Your query should only display the car\_reg, num\_occupants and parking hours. SQL Language:

SELECT car\_reg,car\_make,car\_model FROM cs130lab2

WHERE (parking\_hours>=4) AND (num\_occupants>=3)

Running result: 930 rows returned



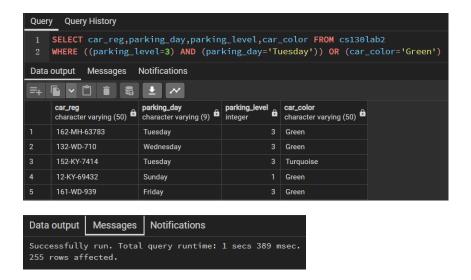
Lab2\_Q8: Return all of the parking events where the cars parked on level three on Tuesdays or the cars were of the color green. Your query should only display the car\_reg, parking day, parking level and color.

## SQL Language:

SELECT car\_reg,parking\_day,parking\_level,car\_color FROM cs130lab2

WHERE ((parking\_level=3) AND (parking\_day='Tuesday')) OR (car\_color='Green')

Running result: 255 rows returned



Lab2\_Q9: Return all of the parking events involving cars which have car make beginning with the letter T, car model beginning with the letter T and parking day beginning with the letter T.

SQL Language: SELECT \* FROM cs130lab2 WHERE (car\_make Like 'T%')AND(parking\_day LIKE 'T%')

Running result: 38 rows returned



Lab2\_Q10: Write an SQL query to find all parking events involving cars registered in Dublin (D) who did not park on the top level of the car park.

**SQL Language:** SELECT \* FROM cs130lab2 WHERE (car\_reg Like '%-D-%') AND (parking\_level !=3)

Running result: 30 rows returned



Messages Query Query History Notifications

Successfully run. Total query runtime: 87 msec.
30 rows affected.

Lab2\_Q11: Find all parking events involving cars whose registration start and end with the character 1 and the car make is either BMW or Chevrolet.

**SQL Language:** SELECT \* FROM cs130lab2 WHERE (car\_reg Like '1%1') AND ((car\_make='BMW' OR car\_make='Chevrolet'))

Running result: 24 rows returned

24 rows affected.

