# — Lecture 8 —

# **L8.1** Question Prompt

Using a subquery, find the number of cars each person drives •Hint: your query will be correlated

# **Payroll**

•			
UserID	Name	Job	Salary
123	Leslie	TA	50k
345	Frances	TA	60k
567	Magda	Prof	120k
789	Quinn	Prof	100k

# Regist

UserID	Car	Year
123	Charger	2009
567	Civic	2016
567	Ferrari	2000
789	Picklemobile	2018

# **L8.2** Question Prompt

Give a proposition for people who do not drive cars, then write a SQL query to return their name and salary

•Hint: you will need to use a different expression than a check for the empty set $\varnothing$	

# **L8.3** Question Prompt

SELECT P.Job, COUNT(\*)
FROM Payroll AS P
GROUP BY P.Job

Is this query Monotone:

- O Yes Monotone
- O Not Monotone

What is a record you could add to demonstrate the above:	

# — Lecture 9 —

# **L9.1** Question Prompt

Find the number of each car each person drives (Including Frances Quinn!)

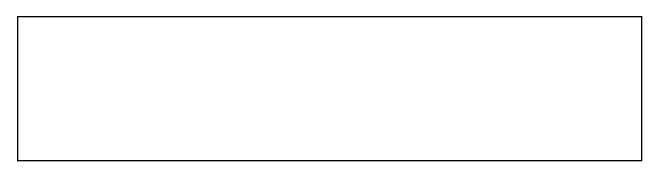
UserID	Name	Job	Salary
123	Leslie	TA	50k
345	Frances	TA	60k
567	Magda	Prof	120k
789	Quinn	Prof	100k

UserID	Car	Year
123	Charger	2009
567	Charger	2016
567	Charger	2000
567	Civic	2018

# **L9.2** Question Prompt

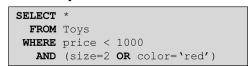
Select each Driver in Person who drives all the vehicles in Car:





# **L9.3** Question Prompt

How many records are returned?



Name	Price	Size	Color
iPad Pro	\$1099	12	gray
Bicycle	NULL	NULL	red
Freeze Tag	\$0	NULL	NULL
iPad Air	\$599	10	NULL

