## Steve's Car Showroom

-Srabana Baidya



## Introduction:

Steve runs a top-end car showroom but his data analyst has just quit and left him without his crucial insights.

Now it's my responsibility to make things go smooth for business.

## Schema

#### sales

sale_id	car_id	salesman_id	purchase_date
1	1	1	2021-01-01
2	3	3	2021-02-03
3	2	2	2021-02-10
4	5	4	2021-03-01
5	8	1	2021-04-02
6	2	1	2021-05-05
7	4	2	2021-06-07
8	5	3	2021-07-09
9	2	4	2022-01-01
10	1	3	2022-02-03
11	8	2	2022-02-1-
12	7	2	2022-03-01
13	5	3	2022-04-02
14	3	1	2022-05-05
15	5	4	2022-06-07
16	1	2	2022-07-09
17	2	3	2023-01-01
18	6	3	2023-02-03
19	7	1	2023-02-10
20	4	4	2023-03-01

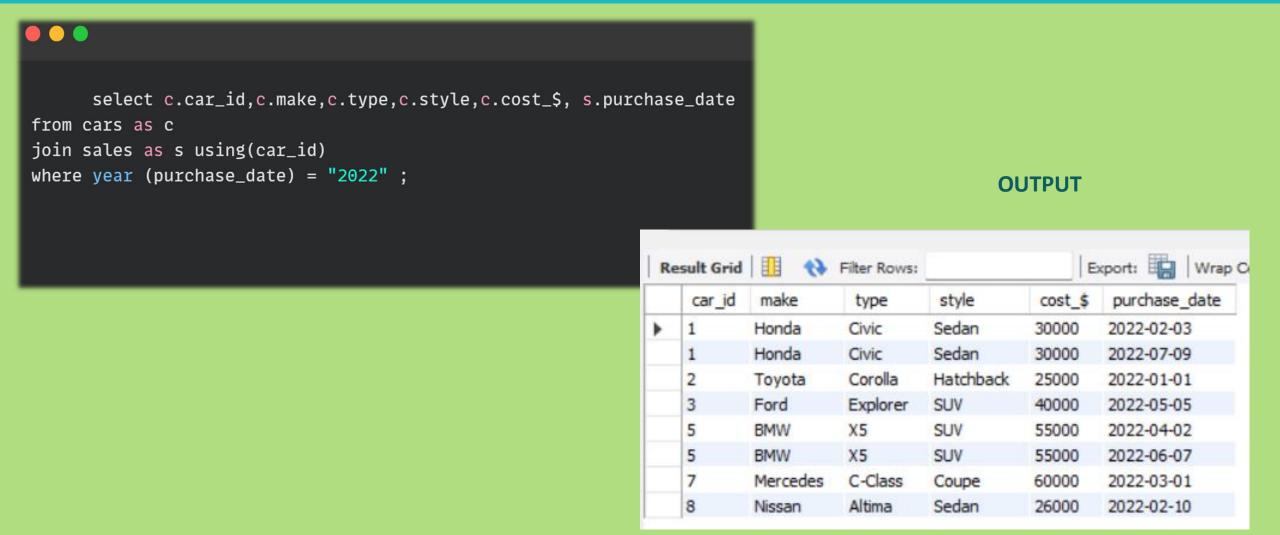
#### cars

car_id	make	type	style	cost_\$
1	Honda	Civic	Sedan	30000
2	Toyota	Corolla	Hatchback	25000
3	Ford	Explorer	SUV	40000
4	Chevrolet	Camaro	Coupe	36000
5	BMW	XS	SUV	55000
6	Audi	A4	Sedan	48000
7	Mercedes	C-Class	Coupe	60000
8	Nissan	Altima	Sedan	26000

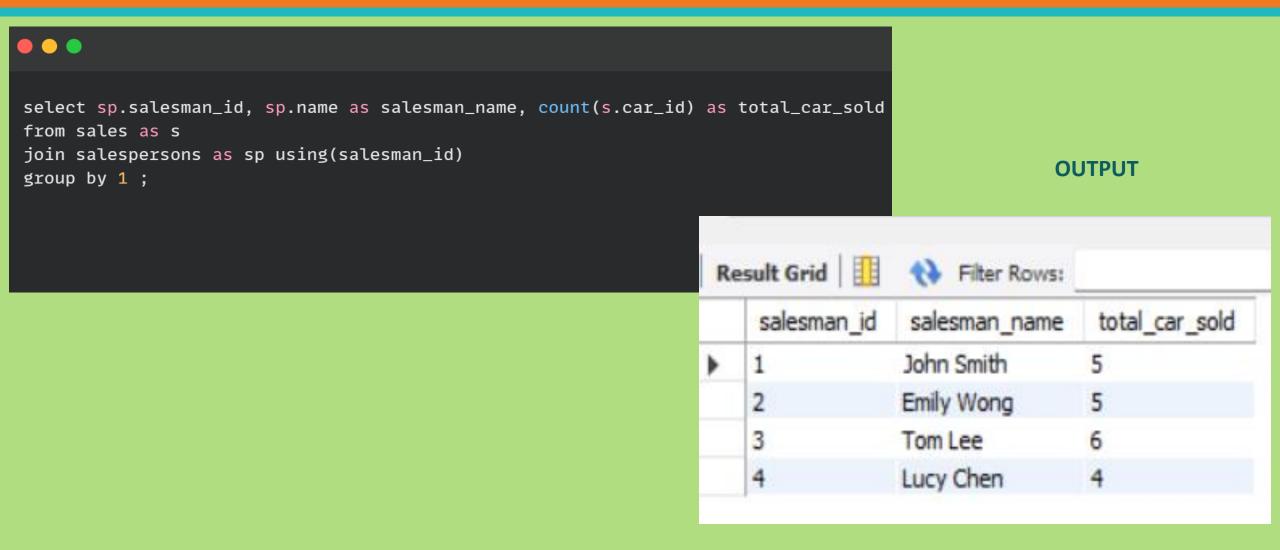
#### salespersons

salesman_id	name	age	city
1	John Smith	28	New York
2	Emily Wong	35	San Fran
3	Tom Lee	42	Seattle
4	Lucy Chen	31	LA

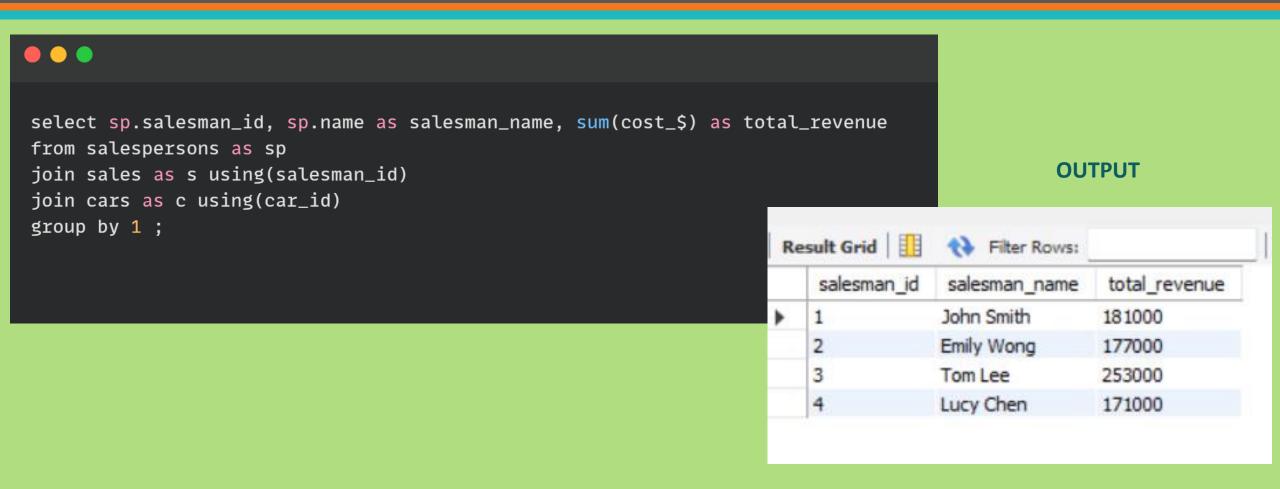
### 1. What are the details of all cars purchased in the year 2022?



2. What is the total number of cars sold by each salesperson?



#### 3. What is the total revenue generated by each salesperson?



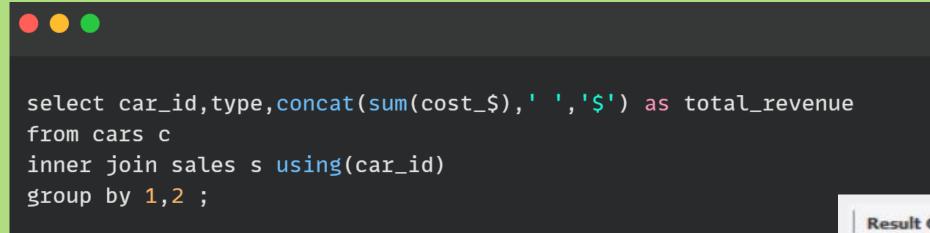
#### 4. What are the details of the cars sold by each salesperson?

```
select s.salesman_id, sp.name as salesman_name, c.car_id,c.make,c.type,c.style,c.cost_$
from sales as s
join salespersons as sp using(salesman_id)
join cars as c using(car_id);
```

#### OUTPUT

Re	sult Grid	Filter Rows:		E	xport:	Wrap Cell Co	ontent: ‡A
	salesman_id	salesman_name	car_id	make	type	style	cost_\$
•	1	John Smith	1	Honda	Civic	Sedan	30000
	1	John Smith	8	Nissan	Altima	Sedan	26000
	1	John Smith	2	Toyota	Corolla	Hatchback	25000
	1	John Smith	3	Ford	Explorer	SUV	40000
	1	John Smith	7	Mercedes	C-Class	Coupe	60000
	2	Emily Wong	2	Toyota	Corolla	Hatchback	25000
	2	Emily Wong	4	Chevrolet	Camaro	Coupe	36000
	2	Emily Wong	8	Nissan	Altima	Sedan	26000
	2	Emily Wong	7	Mercedes	C-Class	Coupe	60000
	2	Emily Wong	1	Honda	Civic	Sedan	30000
	3	Tom Lee	3	Ford	Explorer	SUV	40000

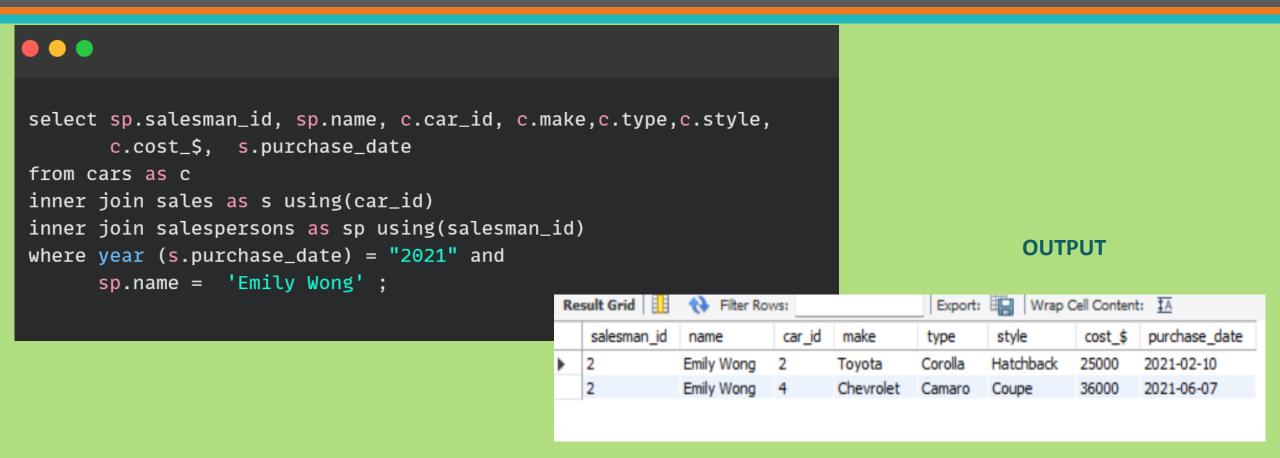
### 5. What is the total revenue generated by each car type?



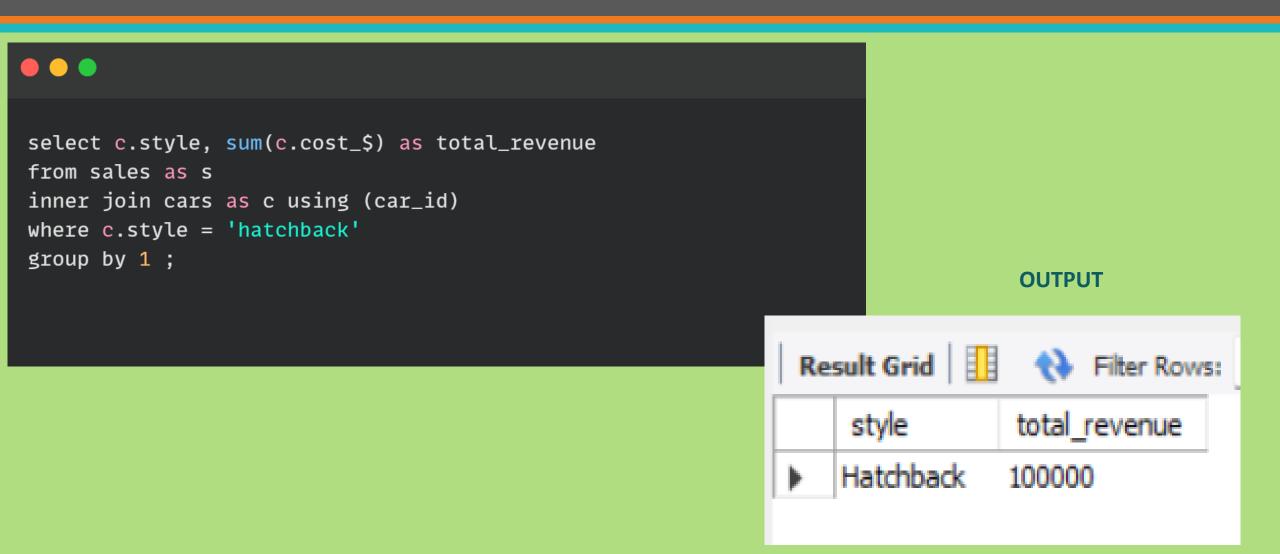
#### OUTPUT

	car_id	type	total_revenue
•	1	Civic	90000 \$
	2	Corolla	100000 \$
	3	Explorer	80000 \$
	4	Camaro	72000 \$
	5	X5	220000 \$
	6	A4	48000 \$
	7	C-Class	120000 \$
	8	Altima	52000 \$

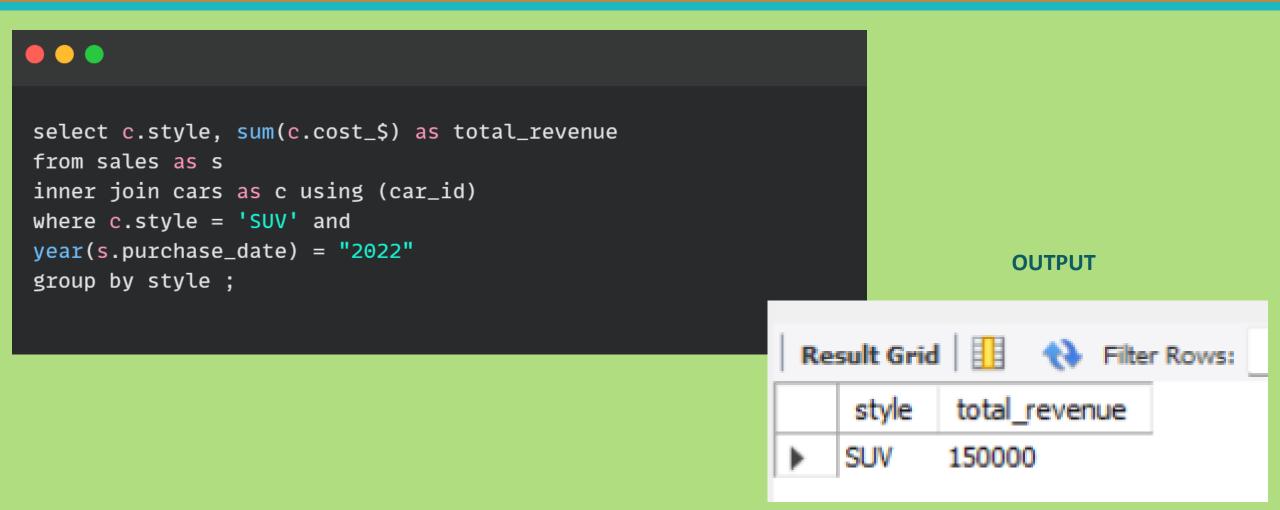
6. What are the details of the cars sold in the year 2021 by salesperson 'Emily Wong'?



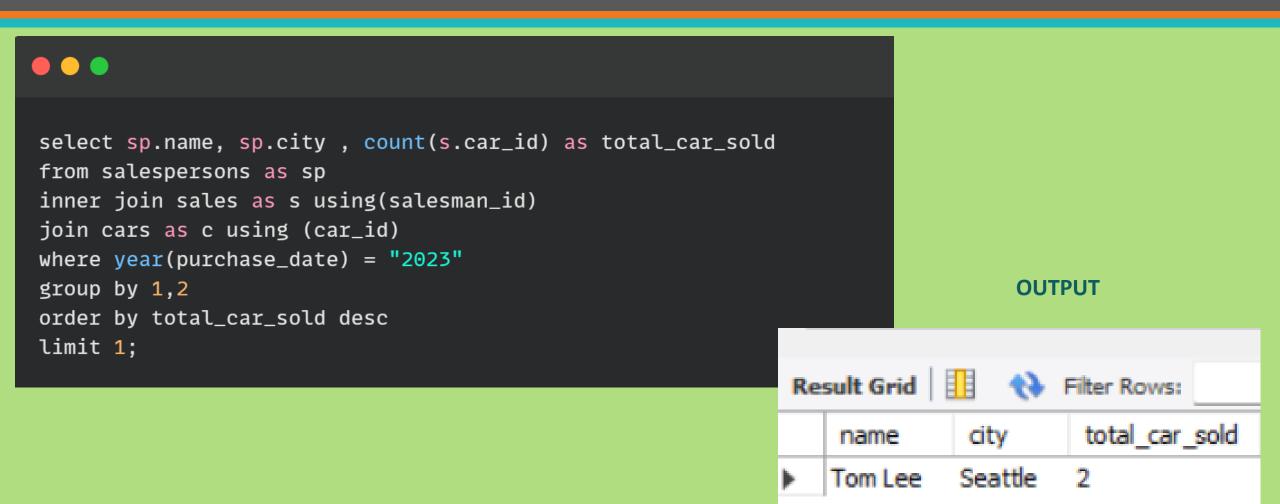
7. What is the total revenue generated by the sales of hatchback cars?



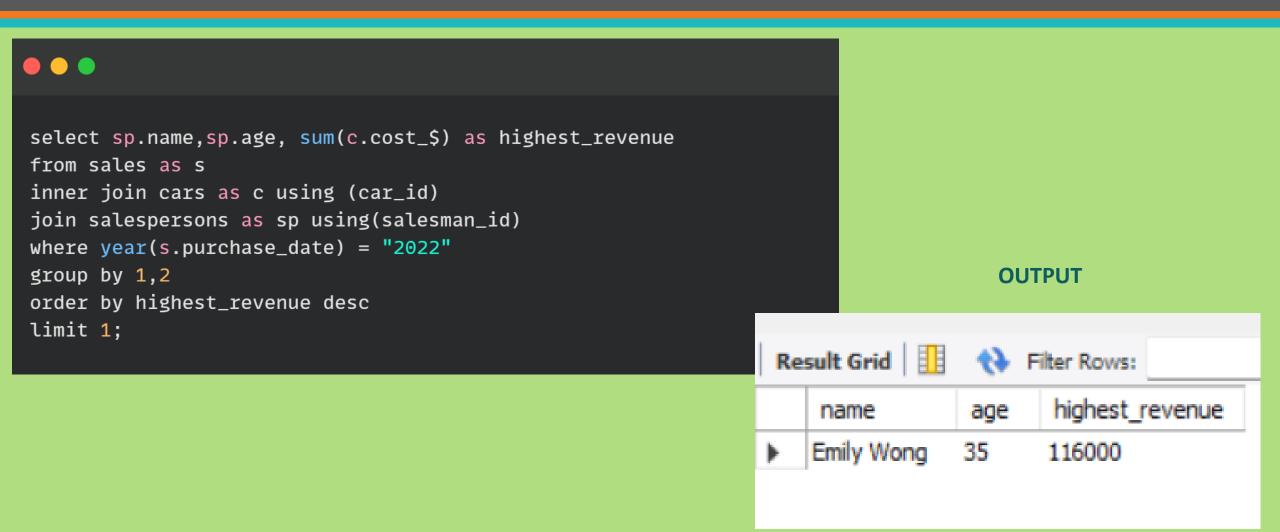
8. What is the total revenue generated by the sales of SUV cars in the year 2022?



9. What is the name and city of the salesperson who sold the most number of cars in the year 2023?



# 10. What is the name and age of the salesperson who generated the highest revenue in the year 2022?



# Thank You



