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#1. What are the details of all cars purchased in the year 2022?
SELECT *, YEAR(sales.purchase date) AS purchase year
FROM cars INNER JOIN sales USING (car id)
WHERE YEAR(sales.purchase date) = 2022
ORDER BY car id;
#2. What is the total number of cars sold by each salesperson?
SELECT sales.salesman id, salespersons.name, COUNT(sales.car id) AS total car sold
FROM sales INNER JOIN salespersons USING(salesman id)
GROUP BY sales.salesman id, salespersons.name
ORDER BY sales.salesman id;
#3. What is the total revenue generated by each salesperson?
SELECT sales.salesman id, salespersons.name, SUM(cars.cost $) AS total revenue
FROM sales INNER JOIN salespersons USING(salesman id)
INNER JOIN cars USING(car id)
GROUP BY sales.salesman id, salespersons.name
ORDER BY sales.salesman id;
#4. What are the details of the cars sold by each salesperson?
SELECT sales.salesman_id, salespersons.name, cars.car_id, cars.make, cars.type, cars.style, cars.cost_$
FROM sales INNER JOIN salespersons USING(salesman_id)
INNER JOIN cars USING (car id )
GROUP BY sales.salesman id, salespersons.name, cars.car id
ORDER BY sales.salesman id, cars .car id;
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use practice;
SELECT sales.car id, cars.type, SUM(cars.cost $ ) AS total revenue
FROM sales INNER JOIN cars USING (car id )
GROUP BY sales.car id, cars.type
ORDER BY sales.car id ;
#6 What are the details of the cars sold in the year 2021 by salesperson 'Emily Wong'?
SELECT sales.car id, sales.salesman id, salespersons.name, YEAR(sales.purchase date) AS selling
cars.make, cars.type, cars.style, cars.cost $
FROM sales INNER JOIN salespersons USING(salesman id)
INNER JOIN cars USING(car id)
WHERE salespersons.name = "Emily Wong"
AND YEAR(sales.purchase date) = 2021
ORDER BY sales.car id;
#7. What is the total revenue generated by the sales of hatchback cars?
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#5. What is the total revenue generated by each car type?

SELECT sales.car id, cars.style,SUM(cars.cost \$) AS total revenue

FROM sales INNER JOIN cars USING(car id )

WHERE cars.style = "Hatchback"

GROUP BY sales. car id;

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#8. What is the total revenue generated by the sales of SUV cars in the year 2022?
SELECT SUM(cars.cost $) AS total revenue, cars.style
FROM sales JOIN cars USING(car id)
WHERE style ='SUV' AND YEAR(purchase date) = 2022
group by cars.style;
#9.What is the name and city of the salesperson who sold the most number of cars in the year 2023?
select sales.salesman id, salespersons.name, salespersons.city, COUNT(sales.car id) as total car sold in 2023
FROM sales INNER JOIN salespersons USING(salesman id)
WHERE YEAR(sales.purchase date) = 2023
GROUP BY sales.salesman id, salespersons.name
ORDER BY COUNT(sales.car id) DESC
LIMIT 1;
#10. What is the name and age of the salesperson who generated the highest revenue in the year 2022?
SELECT sales.salesman id, salespersons.name, salespersons.age, SUM(cars.cost $) AS total revenue in 2022
FROM sales INNER JOIN salespersons USING(salesman id)
INNER JOIN cars USING(car id)
WHERE YEAR(sales.purchase date) = 2022
GROUP BY sales.salesman_id, salespersons.name
ORDER BY SUM(cars.cost $) DESC
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LIMIT 1;