SALES TABLE

CREATE TABLE Sales (

sale_id INT PRIMARY KEY,

product_id INT,

quantity_sold INT,

sale_date DATE,

total_price DECIMAL(10, 2)

);

INSERT INTO Sales VALUES (1, 101, 5, '2024-01-01', 2500.00);

INSERT INTO Sales VALUES (2, 102, 3, '2024-01-02', 900.00);

INSERT INTO Sales VALUES (3, 103, 2, '2024-01-02', 60.00);

INSERT INTO Sales VALUES (4, 104, 4, '2024-01-03', 80.00);

INSERT INTO Sales VALUES (5, 105, 6, '2024-01-03', 90.00);

1. Retrieve all columns from the Sales table.

QUERIES: SELECT * FROM sales;

sale_id	product_id	quantity_sold	sale_date	total_price
1	101	5	2024-01-01	2500.00
2	102	3	2024-01-0 2024-01-01	
3	103	2	2024-01-02	60.00
4	104	4	2024-01-03	80.00
5	105	6	2024-01-03	90.00
NULL	NULL	NULL	NULL	NULL

2. Retrieve the sale_id and sale_date from the Sales table.

QUERIES: SELECT sale_id, sale_date from sales;

sale_id	sale_date
1	2024-01-01
2	2024-01-02
3	2024-01-02
4	2024-01-03
5	2024-01-03
NULL	NULL

3. Filter the Sales table to show only sales with a total_price greater than $100.

QUERIES: SELECT * FROM sales where total_price > 100;

	sale_id	product_id	quantity_sold	sale_date	total_price
▶	1	101	5	2024-01-01	2500.00
	2	102	3	2024-01-02	900.00
∗	NULL	NULL	NULL	NULL	NULL

4. Retrieve the sale_id and total_price from the Sales table for sales made on January 3, 2024.

QUERIES: SELECT sale_id, total_price from sales where sale_date = '2024-01-03';

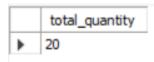|	sale_id	total_price
▶	4	80.00
	5	90.00
∗	NULL	NULL

5. Calculate the total revenue generated from all sales in the Sales table.

QUERIES: SELECT sum(total_price) as total_revenue from sales;

	total_revenue
▶	3630.00

6. Calculate the total quantity_sold from the Sales table.

QUERIES: SELECT sum(quantity_sold) as total_quantity from sales;

	total_quantity
▶	20

7. Retrieve the sale_id, product_id, and total_price from the Sales table for sales with a quantity_sold greater than 4.

QUERIES: SELECT sale_id,product_id,total_price from sales where quantity_sold > 4;

	sale_id	product_id	total_price
▶	1	101	2500.00
	5	105	90.00
∗	NULL	NULL	NULL

8. Calculate the average total_price of sales in the Sales table.

QUERIES: SELECT avg(total_price) as avg_price from sales;

avg_price
726.000000