**Table: sales**

create table sales (

sale\_id int primary key,

customer\_name varchar(200),

product\_name varchar(200),

category varchar(50),

Price decimal(10,2),

quantity int,

sale\_date date );

**Values:**

sale\_id customer\_name product\_name   category price quantity sale\_date

1 John Doe   Laptop                 Electronics 1000     1 2023-06-20

2 Alice Smith   Coffee Maker   Appliances 150 2 2023-07-10

3 John Doe   Headphones   Electronics 200 3 2023-07-15

4 Bob Brown   Air Conditioner  Appliances 500 1 2023-05-25

5 Alice Smith   Laptop                 Electronics 1000 1 2023-06-18

6 John Doe   Headphones   Electronics 200 2 2023-07-20

INSERT INTO sales (sale\_id, customer\_name, product\_name, category, price, quantity, sale\_date) VALUES

(1, 'John Doe', 'Laptop', 'Electronics', 1000, 1, '2023-06-20'),

(2, 'Alice Smith', 'Coffee Maker', 'Appliances', 150, 2, '2023-07-10'),

(3, 'John Doe', 'Headphones', 'Electronics', 200, 3, '2023-07-15'),

(4, 'Bob Brown', 'Air Conditioner', 'Appliances', 500, 1, '2023-05-25'),

(5, 'Alice Smith', 'Laptop', 'Electronics', 1000, 1, '2023-06-18'),

(6, 'John Doe', 'Headphones', 'Electronics', 200, 2, '2023-07-20');

1. Get all products in the "Electronics" category

SELECT \*FROM sales WHERE category = 'Electronics';

1. Get the total amount spent by customer "John Doe"

SELECT customer\_name, SUM(price \* quantity) FROM sales WHERE customer\_name = 'John Doe';

1. Find the total sales for each product category

SELECT category,

SUM(price \* quantity)

FROM sales

GROUP BY category;

1. Find the total quantity of each product sold

SELECT product\_name,

SUM(quantity) AS total

FROM sales

GROUP BY product\_name;

1. Find the most popular product based on quantity sold

SELECT product\_name,

SUM(quantity) As Total

FROM sales

GROUP BY product\_name

ORDER BY Total DESC

LIMIT 1;