Product Table

create database shop;

create table products(product\_id int primary key,product\_name varchar(30), category varchar(50), unit\_price decimal(10,2));

insert into products values(101,"Laptop","Electronics", 500.00),

(102,"Smartphones","Electronics", 300.00),

(103,"Headphones", "Electronics", 30.00),

(104,"Keyboard", "Electronics", 20.00),

(105,"Mouse", "Electronics", 15.00);

select \* from products;

select product\_name,unit\_price from products;

select product\_name from products where category="Electronics";

select product\_id,product\_name from products where unit\_price>100;

select avg(unit\_price) from products;

select product\_name, unit\_price from products order by unit\_price desc limit 1;

select product\_name, unit\_price from products order by unit\_price desc;

select product\_name, unit\_price from products where unit\_price between 20 and 600;

select product\_name, category from products order by category;

Sales Table

create database home;

create table sales(sale\_id int primary key, product\_id int, quantity\_sold int, sale\_date date, total\_price decimal(10,2), foreign key (product\_id) references products(product\_id));

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

(2, 102, 3, '2024-01-02', 900.00),

(3, 103, 2, '2024-01-02', 60.00),

(4, 104, 4, '2024-01-03', 80.00),

(5, 105, 6, '2024-01-03', 90.00);

SELECT \* FROM Sales;

SELECT sale\_id, sale\_date FROM Sales;

SELECT \* FROM Sales WHERE total\_price > 100;

SELECT sale\_id, total\_price FROM Sales WHERE sale\_date = '2024-01-03';

SELECT SUM(total\_price) AS total\_revenue FROM Sales;

SELECT SUM(quantity\_sold) AS total\_quantity\_sold FROM Sales;

SELECT sale\_id, product\_id, total\_price FROM Sales WHERE quantity\_sold > 4;

SELECT AVG(total\_price) AS average\_total\_price FROM Sales;