create database shop\_ga;

use shop\_ga;

select \* from products;

select \* from users;

SELECT \* FROM users WHERE role = 'admin'

INSERT INTO users (username, email, password, role, created\_at) VALUES

('create', '', '1', 'create', '2025-01-01');

SELECT ID, username, email, role, created\_at, name, address, phone

FROM users

WHERE username LIKE :search

OR email LIKE :search

OR role LIKE :search

OR name LIKE :search

OR DATE(created\_at) LIKE :search

ORDER BY ID

CREATE TABLE orders (

order\_id INT AUTO\_INCREMENT PRIMARY KEY,

user\_id INT NOT NULL,

product\_id INT NOT NULL,

quantity INT NOT NULL,

total\_price DECIMAL(10, 2) NOT NULL,

status VARCHAR(50),

phone varchar(15),

note varchar(100),

created\_at DATE,

product\_name varchar(100)

) ENGINE=InnoDB;

select \* from users;

ALTER TABLE orders

ADD product\_name varchar(100);

select \* from users;

select \* from orders;

select \* from products;

SELECT p.\*, pi.image\_url

FROM products p

LEFT JOIN product\_images pi ON p.ID = pi.product\_id

WHERE p.ID = 5

LIMIT 1

CREATE TABLE users (

ID INT AUTO\_INCREMENT PRIMARY KEY,

username VARCHAR(254) NOT NULL UNIQUE,

email VARCHAR(255) NOT NULL,

password VARCHAR(255) NOT NULL,

role VARCHAR(50),

created\_at DATE

) ENGINE=InnoDB;

ALTER TABLE users

ADD phone varchar(100);

ALTER TABLE users

ADD name varchar(100);

ALTER TABLE users

ADD address varchar(100);

select \* from products;

ALTER TABLE categories

ADD top TINYINT(1) ;

CREATE TABLE categories (

ID INT AUTO\_INCREMENT PRIMARY KEY,

name VARCHAR(255) NOT NULL,

description TEXT,top TINYINT(1),

created\_at DATETIME DEFAULT CURRENT\_TIMESTAMP

) ENGINE=InnoDB;SELECT p.\*, pi.image\_url, pi.is\_main

FROM products p

LEFT JOIN product\_images pi ON p.ID = pi.product\_id

WHERE p.name LIKE '%%'

ORDER BY p.price ASC, pi.is\_main DESC, pi.created\_at ASC

LIMIT 9 OFFSET 0;

select \* from categories;

SELECT ID, name FROM categories;

select \* from products;

select \* from product\_images;

SELECT \* FROM product\_images WHERE product\_id = (SELECT MAX(ID) FROM products);

CREATE TABLE products (

ID INT AUTO\_INCREMENT PRIMARY KEY,

name VARCHAR(255) NOT NULL,

price DECIMAL(10, 2) NOT NULL,

quantity INT NOT NULL,

description TEXT,

created\_at DATE,

is\_locked BOOLEAN DEFAULT FALSE,

category\_id INT,

FOREIGN KEY (category\_id) REFERENCES categories(ID) ON DELETE SET NULL

) ENGINE=InnoDB;

SELECT p.\*, pi.image\_url, pi.is\_main

FROM products p

LEFT JOIN product\_images pi ON p.ID = pi.product\_id

WHERE p.is\_locked = 0

ORDER BY p.ID ASC, pi.is\_main DESC, pi.created\_at ASC

LIMIT 4

select \* from categorys;

SELECT \* FROM products WHERE category\_id = 1;

SELECT p.\*, pi.image\_url

FROM products p

LEFT JOIN product\_images pi ON p.ID = pi.product\_id ;

INSERT INTO products (

name, price, quantity, description, created\_at, is\_locked

) VALUES (

'Gà chọi',

150000.00,

100,

'Cuốn sách dành cho người mới bắt đầu học lập trình Java, trình bày các khái niệm cơ bản đến nâng cao.',

CURDATE(),

FALSE

);

select \* from products;

CREATE TABLE product\_images (

ID INT AUTO\_INCREMENT PRIMARY KEY,

product\_id INT NOT NULL,

image\_url VARCHAR(255) NOT NULL,

is\_main BOOLEAN DEFAULT FALSE,

created\_at DATETIME DEFAULT CURRENT\_TIMESTAMP,

FOREIGN KEY (product\_id) REFERENCES products(ID) ON DELETE CASCADE

) ENGINE=InnoDB;

CREATE TABLE product\_reviews (

ID INT AUTO\_INCREMENT PRIMARY KEY,

product\_id INT NOT NULL,

user\_id INT NOT NULL,

rating INT CHECK (rating BETWEEN 1 AND 5),

comment TEXT,

created\_at DATETIME DEFAULT CURRENT\_TIMESTAMP,

FOREIGN KEY (product\_id) REFERENCES products(ID) ON DELETE CASCADE,

FOREIGN KEY (user\_id) REFERENCES users(ID) ON DELETE CASCADE

) ENGINE=InnoDB;

ALTER TABLE categories

ADD top TINYINT(1) ;

SELECT ID, name, description, top, created\_at FROM categories

CREATE TABLE product\_comments (

ID INT AUTO\_INCREMENT PRIMARY KEY,

product\_id INT NOT NULL,

user\_id INT NOT NULL,

comment TEXT NOT NULL,

created\_at DATETIME DEFAULT CURRENT\_TIMESTAMP,

FOREIGN KEY (product\_id) REFERENCES products(ID) ON DELETE CASCADE,

FOREIGN KEY (user\_id) REFERENCES users(ID) ON DELETE CASCADE

) ENGINE=InnoDB;

CREATE TABLE comment\_replies (

ID INT AUTO\_INCREMENT PRIMARY KEY,

comment\_id INT NOT NULL,

user\_id INT NOT NULL,

reply TEXT NOT NULL,

created\_at DATETIME DEFAULT CURRENT\_TIMESTAMP,

FOREIGN KEY (comment\_id) REFERENCES product\_comments(ID) ON DELETE CASCADE,

FOREIGN KEY (user\_id) REFERENCES users(ID) ON DELETE CASCADE

) ENGINE=InnoDB;

select \* from

CREATE TABLE category\_faming (

id INT AUTO\_INCREMENT PRIMARY KEY,

name VARCHAR(255) NOT NULL, -- Tên danh mục

description TEXT,

top TINYINT(1)-- Mô tả danh mục (tuỳ chọn)

created\_at DATETIME DEFAULT CURRENT\_TIMESTAMP

) ENGINE=InnoDB;

select \* from category\_faming;

SELECT id, name, description, top, created\_at FROM category\_faming

ALTER TABLE category\_faming

ADD top TINYINT(1);

-- Thêm cột category\_id vào bảng farming\_process để làm khóa ngoại

ALTER TABLE farming\_process

ADD COLUMN video\_url varchar(255);

select \* from farming\_process;

-- Thiết lập khóa ngoại liên kết đến bảng category\_faming

ALTER TABLE farming\_process

ADD CONSTRAINT fk\_category\_faming

FOREIGN KEY (category\_id)

REFERENCES category\_faming(id)

ON DELETE SET NULL

ON UPDATE CASCADE;

select \* from farming\_process;

DELETE FROM farming\_process WHERE ID = 8

CREATE TABLE farming\_process (

ID INT AUTO\_INCREMENT PRIMARY KEY,

title VARCHAR(255) NOT NULL, -- Tên giai đoạn (ví dụ: “Chăm sóc heo con”)

description TEXT, -- Mô tả chi tiết

process\_order INT, -- Thứ tự thực hiện

start\_day INT,

note TEXT,

image\_url VARCHAR(255),

video\_url VARCHAR(255),

end\_day INT,

category\_id INT,

created\_at DATETIME DEFAULT CURRENT\_TIMESTAMP

) ENGINE=InnoDB;

ALTER TABLE farming\_process

select \* from farming\_process;

ADD image\_url varchar(200);

ALTER TABLE farming\_process

ADD note varchar(250);

select \* from farming\_process;

SELECT id, title, description, note, image\_url, created\_at FROM farming\_process;

SELECT id, name FROM farming\_categories;

DELETE FROM farming\_process WHERE ID = 1;

select \* from articles;

CREATE TABLE articles (

ID INT AUTO\_INCREMENT PRIMARY KEY,

title VARCHAR(255) NOT NULL, -- Tiêu đề bài báo

content TEXT NOT NULL, -- Nội dung bài báo

author VARCHAR(200),

decription varchar(200),

note varchar(100),

-- Tác giả bài báo

image\_url VARCHAR(255),

category\_id INT-- Đường dẫn ảnh đại diện

created\_at DATETIME DEFAULT CURRENT\_TIMESTAMP, -- Thời gian tạo

updated\_at DATETIME ON UPDATE CURRENT\_TIMESTAMP -- Thời gian cập nhật

) ENGINE=InnoDB;

DELETE FROM articles WHERE ID = 1;

INSERT INTO articles (

title,

content,

author,

decription,

note,

image\_url,

category\_id

) VALUES (

'Ứng dụng công nghệ AI trong nông nghiệp hiện đại',

'Bài viết này trình bày cách AI đang thay đổi phương pháp canh tác, từ giám sát mùa vụ đến tối ưu hóa phân bón.',

'Nguyễn Văn A',

'Tổng quan về ứng dụng AI trong nông nghiệp.',

'Bài viết chuyên sâu',

'https://example.com/images/ai-agriculture.jpg'

description

);INSERT INTO articles (title, content, author, decription, note, image\_url, created\_at,category\_id)

VALUES (

'Cách chăm sóc cây cảnh trong nhà',

'Cây cảnh giúp thanh lọc không khí và tạo cảm giác thư giãn. Bài viết này hướng dẫn bạn cách chăm sóc cây cảnh đúng cách như tưới nước, ánh sáng và phân bón.',

'Nguyễn Văn A',

'Hướng dẫn chăm sóc cây cảnh cơ bản cho người mới bắt đầu.',

'Bài viết phù hợp cho người yêu thiên nhiên và sống xanh.',

'https://example.com/images/caycanh.jpg',

NOW(),1

);

SELECT ID, title, description, image\_url, created\_at, note

FROM farming\_process

ORDER BY created\_at DESC

select \* from articles

ADD CONSTRAINT fk\_articles\_category

FOREIGN KEY (category\_id)

REFERENCES categories\_art(id)

ON DELETE SET NULL

ON UPDATE CASCADE;

SELECT id, name, description, top, created\_at FROM categories\_art

ALTER TABLE category\_faming

ADD created\_at DATETIME DEFAULT CURRENT\_TIMESTAMP;

select \* from articles;

SELECT id, title, note, image\_url, created\_at

FROM articles

WHERE category\_id =1

SELECT id, name FROM categories\_art LIMIT 3

CREATE TABLE categories\_art (

id INT AUTO\_INCREMENT PRIMARY KEY,

name VARCHAR(100) NOT NULL,

description VARCHAR(255)

) ENGINE=InnoDB;

ALTER TABLE articles

ADD COLUMN category\_id INT;

SELECT id, title, decription, note, image\_url, created\_at

FROM articles

LIMIT 3;

select \* from images;

select \* from articles;

SELECT \* FROM farming\_process

ORDER BY process\_order ASC

SELECT ID, title, decription, image\_url, created\_at, note

FROM articles

ORDER BY created\_at DESC

ALTER TABLE articles

ADD decription varchar(250);