-- 중고거래 중계 플랫폼. 개인 간의 중고 거래를 관리하는 서비스, 사용자, 상품, 결제 정보를 관리

-- 사용자

```sql
CREATE TABLE user (

    user_id CHAR(8) NOT NULL PRIMARY KEY, /*사용자 id*/

    username VARCHAR(20) NOT NULL, /*사용자 이름*/

    phone CHAR(11), /*사용자 전화번호*/

    age INT CHECK (age BETWEEN 14 AND 120), /*사용자 나이*/

    signup_date DATETIME /*가입일자*/

);
```

-- 상품 등록

```sql
CREATE TABLE product (

    product_id INT AUTO_INCREMENT UNIQUE, /*상품 id*/

    user_id CHAR(8) NOT NULL, /*판매자 id */

    title VARCHAR(100) NOT NULL, /*물품 이름*/

    price DECIMAL(5,2) NOT NULL, /*가격*/

    status VARCHAR(20) CHECK (status IN('판매중', '판매완료')) DEFAULT '판매중', /*판매 상태*/

    posted_at DATETIME

);
ALTER TABLE product

        ADD

    FOREIGN KEY (user_id) REFERENCES user(user_id)

    ON UPDATE CASCADE

    ON DELETE CASCADE;
```

-- 결제

CREATE TABLE payment (

    payment_id INT AUTO_INCREMENT PRIMARY KEY, /*결제 id*/

    user_id CHAR(8) NOT NULL, /*구매자 id*/

    amount DECIMAL(5,2) NOT NULL, /*결제 금액*/

    method VARCHAR(20) CHECK (method IN ('현금', '계좌이체', '카드')) NOT NULL DEFAULT '계좌이체', /*결제 방식*/

    pay_date DATETIME, /*결제 날짜*/

    FOREIGN KEY (user_id) REFERENCES user(user_id)

);

-- 사용자 데이터

INSERT INTO user (user_id, username, phone, age, signup_date) VALUES

('id01', '홍길동', '01012345678', 28, '2023-01-05 10:15:00'),

('id02', '이완용', '01087654321', 35, '2022-01-10 14:20:00'),

('id03', '이성계', '01055556666', 22, '2021-02-15 09:05:00'),

('id04', '트럼프', '01033334444', 31, '2025-03-01 18:30:00'),

('id05', '바이든', '01022223333', 26, '2024-03-20 12:45:00');

-- 상품 데이터

INSERT INTO product (user_id, title, price, status, posted_at) VALUES

('id01', '아이폰', 550.00, '판매중', '2025-01-06 11:00:00'),

('id02', '갤럭시북', 900.00, '판매중', '2025-01-12 15:10:00'),

('id03', '라면10봉지', 70.00, '판매완료', '2025-02-16 10:45:00'),

('id04', '마우스', 120.00, '판매중', '2025-03-02 19:00:00'),

('id05', '키보드', 45.00, '판매중', '2025-03-22 13:30:00');

-- 결제 데이터

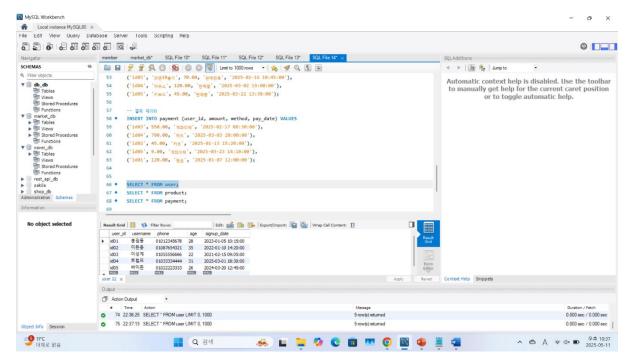INSERT INTO payment (user_id, amount, method, pay_date) VALUES

('id03', 550.00, '계좌이체', '2025-02-17 08:30:00'),

('id04', 790.00, '카드', '2025-03-03 20:00:00'),

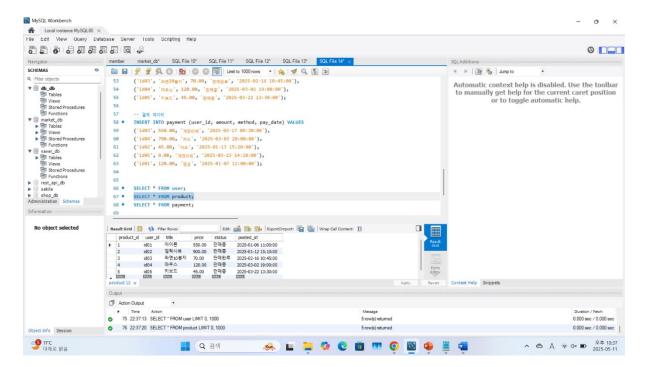('id02', 45.00, '카드', '2025-01-13 15:20:00'),

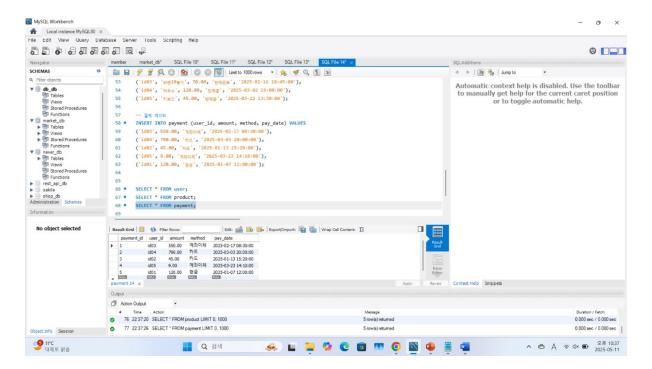('id05', 9.00, '계좌이체', '2025-03-23 14:10:00'),

('id01', 120.00, '현금', '2025-01-07 12:00:00');

SELECT * FROM user;

SELECT * FROM product;

SELECT * FROM payment;

회원아이디 변경

INSERT INTO user (user_id, username, phone, age, signup_date)

SELECT 'id09', username, phone, age, signup_date

FROM user

WHERE user_id = 'id01';

UPDATE payment

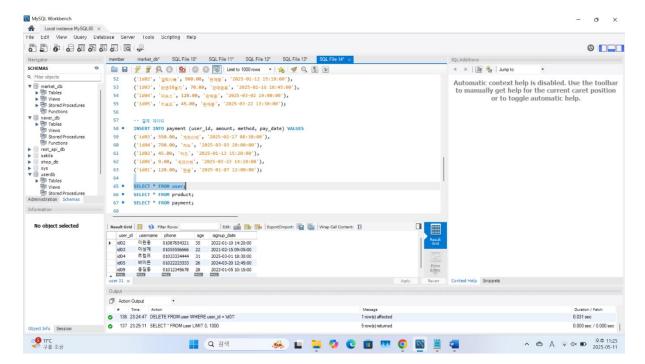SET user_id = 'id09'

WHERE user_id = 'id01';

UPDATE product
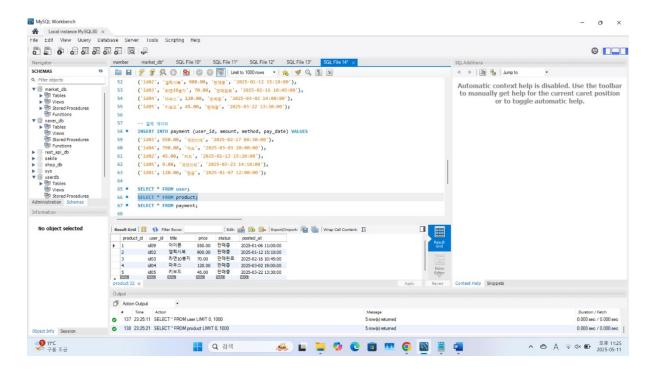
SET user_id = 'id09'

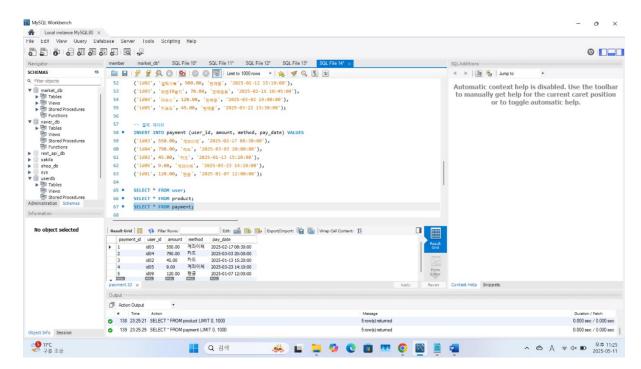WHERE user_id = 'id01';

DELETE FROM user

WHERE user_id = 'id01';

SELECT * FROM user;

SELECT * FROM product;

SELECT * FROM payment;