

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

-- 사용자

```
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

```
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

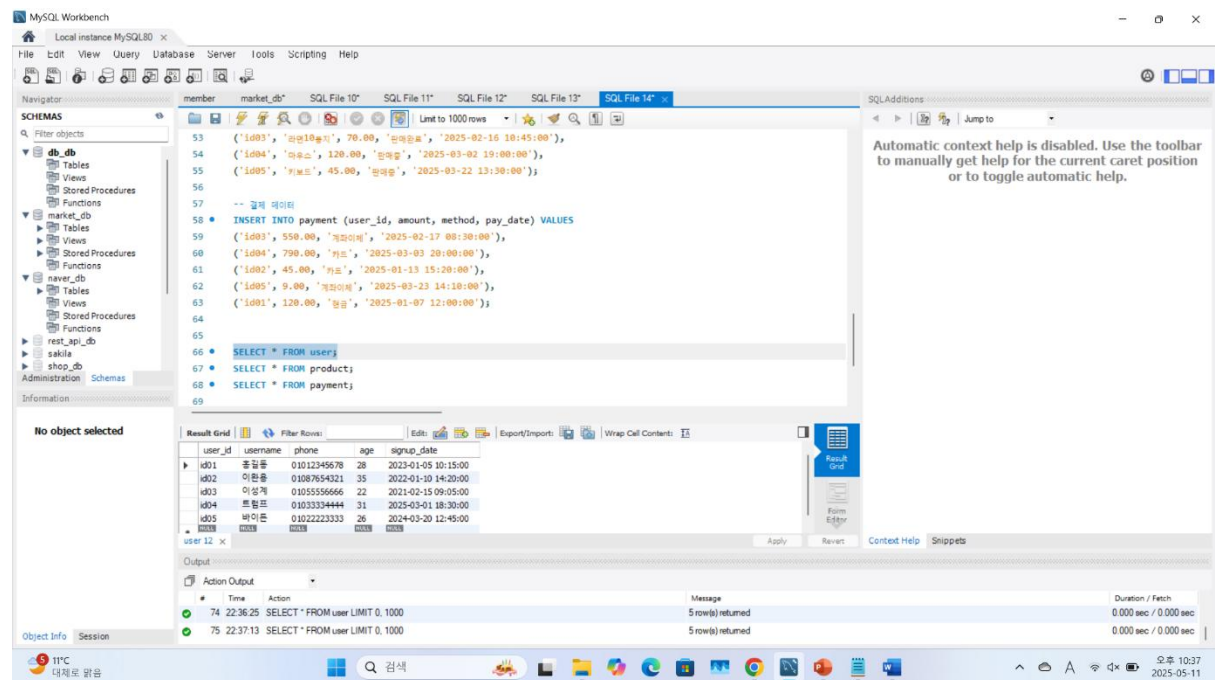
('id03', 550.00, '계좌이체', '2025-02-17 08:30:00'),

('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;

MySQL Workbench

Local instance MySQL80

File Edit View Query Database Server Tools Scripting Help

Navigator

Filter objects

Schemas

- db
 - Tables
 - Views
 - Stored Procedures
 - Functions
- market_db
 - Tables
 - Views
 - Stored Procedures
 - Functions
- naver_db
 - Tables
 - Views
 - Stored Procedures
 - Functions
- rest_api_db
 - Tables
 - Views
 - Stored Procedures
 - Functions
- sakila
 - Tables
 - Views
 - Stored Procedures
 - Functions
- shop_db
 - Tables
 - Views
 - Stored Procedures
 - Functions
- Administration
- Schemas

Information

No object selected

Result Grid

product_id user_id title price status posted_at

1	id01	아이폰	550.00	판매중	2025-01-06 11:00:00
2	id02	갤럭시북	900.00	판매중	2025-01-12 15:10:00
3	id03	라면10봉지	70.00	판매완료	2025-02-16 10:45:00
4	id04	마루스	120.00	판매중	2025-03-02 19:00:00
5	id05	카보드	45.00	판매중	2025-03-22 13:30:00

product 13 x

Output

Action Output

Time Action Message Duration / Fetch

75	22:37:13	SELECT * FROM user LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec
76	22:37:20	SELECT * FROM product LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

11°C
대체로 맑음

검색

오후 10:37
2025-05-11

SELECT * FROM product;

MySQL Workbench

Local instance MySQL80

File Edit View Query Database Server Tools Scripting Help

Navigator

Filter objects

Schemas

- db
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 - Functions
- sakila
 - Tables
 - Views
 - Stored Procedures
 - Functions
- shop_db
 - Tables
 - Views
 - Stored Procedures
 - Functions
- Administration
- Schemas

Information

No object selected

Result Grid

payment_id user_id amount method pay_date

1	id03	550.00	계좌이체	2025-02-17 08:30:00
2	id04	790.00	카드	2025-03-03 20:00:00
3	id02	45.00	카드	2025-01-13 15:20:00
4	id05	9.00	계좌이체	2025-03-23 14:10:00
5	id01	120.00	현금	2025-01-07 12:00:00

payment 14 x

Output

Action Output

Time Action Message Duration / Fetch

76	22:37:20	SELECT * FROM product LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec
77	22:37:26	SELECT * FROM payment LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

11°C
대체로 맑음

검색

오후 10:37
2025-05-11

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';
```

MySQL Workbench

Local instance MySQL80

File Edit View Query Database Server Tools Scripting Help

Navigator

market_db

SQL File 10* SQL File 11* SQL File 12* SQL File 13* SQL File 14*

Limit to 1000 rows

SQL Editor

```

52 ('id02', '결제시책', 900.00, '판매중', '2025-01-12 15:10:00'),
53 ('id03', '라면10종지', 70.00, '판매중', '2025-02-16 10:45:00'),
54 ('id04', '마루스', 120.00, '판매중', '2025-03-02 19:00:00'),
55 ('id05', '카보트', 45.00, '판매중', '2025-03-22 13:30:00');
56
57 -- 결제 데이터
58 INSERT INTO payment (user_id, amount, method, pay_date) VALUES
59 ('id03', 550.00, '계좌이체', '2025-02-17 00:30:00'),
60 ('id04', 790.00, '카드', '2025-03-03 20:00:00'),
61 ('id02', 45.00, '카드', '2025-01-13 15:20:00'),
62 ('id05', 9.00, '계좌이체', '2025-03-23 14:10:00'),
63 ('id01', 120.00, '현금', '2025-01-07 12:00:00');
64
65 SELECT * FROM user;
66 SELECT * FROM product;
67 SELECT * FROM payment;
68

```

Result Grid

user_id	username	phone	age	signup_date
id02	이완중	01087654321	35	2022-01-10 14:20:00
id03	이상계	01055566666	22	2021-02-15 09:05:00
id04	트럼프	01033344444	31	2025-03-01 18:30:00
id05	바이든	01022233333	26	2024-03-20 12:45:00
id09	홍길동	01012345678	28	2023-01-05 10:15:00

Output

Action Output

#	Time	Action	Message	Duration / Fetch
136	23:24:47	DELETE FROM user WHERE user_id = 'id01'	1 row(s) affected	0.031 sec
137	23:25:11	SELECT * FROM user LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

11°C 구름 조금

오후 11:25 2025-05-11

SELECT * FROM user;

MySQL Workbench

Local instance MySQL80

File Edit View Query Database Server Tools Scripting Help

Navigator

market_db

SQL File 10* SQL File 11* SQL File 12* SQL File 13* SQL File 14*

Limit to 1000 rows

SQL Editor

```

52 ('id02', '결제시책', 900.00, '판매중', '2025-01-12 15:10:00'),
53 ('id03', '라면10종지', 70.00, '판매중', '2025-02-16 10:45:00'),
54 ('id04', '마루스', 120.00, '판매중', '2025-03-02 19:00:00'),
55 ('id05', '카보트', 45.00, '판매중', '2025-03-22 13:30:00');
56
57 -- 결제 데이터
58 INSERT INTO payment (user_id, amount, method, pay_date) VALUES
59 ('id03', 550.00, '계좌이체', '2025-02-17 00:30:00'),
60 ('id04', 790.00, '카드', '2025-03-03 20:00:00'),
61 ('id02', 45.00, '카드', '2025-01-13 15:20:00'),
62 ('id05', 9.00, '계좌이체', '2025-03-23 14:10:00'),
63 ('id01', 120.00, '현금', '2025-01-07 12:00:00');
64
65 SELECT * FROM user;
66 SELECT * FROM product;
67 SELECT * FROM payment;
68

```

Result Grid

product_id	user_id	title	price	status	posted_at
1	id09	아이폰	550.00	판매중	2025-01-06 11:00:00
2	id02	결제시책	900.00	판매중	2025-01-12 15:10:00
3	id03	라면10종지	70.00	판매완료	2025-02-16 10:45:00
4	id04	마루스	120.00	판매중	2025-03-02 19:00:00
5	id05	카보트	45.00	판매중	2025-03-22 13:30:00

Output

Action Output

#	Time	Action	Message	Duration / Fetch
137	23:25:11	SELECT * FROM user LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec
138	23:25:21	SELECT * FROM product LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

11°C 구름 조금

오후 11:25 2025-05-11

SELECT * FROM product;

MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

member market_db* SQL File 10* SQL File 11* SQL File 12* SQL File 13* SQL File 14*

Limit to 1000 rows

SQLAdditions

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

SCHEMAS

Filter objects

market_db

Tables

Views

Stored Procedures

Functions

navier_db

Tables

Views

Stored Procedures

Functions

rest_api_db

sakila

shop_db

sys

userdb

Tables

Views

Stored Procedures

Administration Schemas

Information

No object selected

Result Grid

Filter Rows

Wrap Cell Content: 13

payment_id	user_id	amount	method	pay_date
1	id03	550.00	계좌이체	2025-02-17 08:30:00
2	id04	790.00	카드	2025-03-03 20:00:00
3	id02	45.00	카드	2025-01-13 15:20:00
4	id05	9.00	계좌이체	2025-03-23 14:10:00
5	id09	120.00	현금	2025-01-07 12:00:00

payment 33 x

Apply Revert Context Help Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
138	23:25:21	SELECT * FROM product LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec
139	23:25:29	SELECT * FROM payment LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

오후 11:25 2025-05-11

SELECT * FROM payment;