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-- 데이터베이스 생성
create database multiroom;
use multiroom;
-- 유저 테이블 생성
CREATE TABLE IF NOT EXISTS Users (
    id VARCHAR(50) NOT NULL PRIMARY KEY,
    password VARCHAR(255) NOT NULL,
    email VARCHAR(255) NOT NULL,
    name VARCHAR(255) NOT NULL,
    user_type ENUM('유저', '관리자') NOT NULL
);
-- 방 테이블 생성
CREATE TABLE IF NOT EXISTS Rooms (
    room_id INT AUTO_INCREMENT PRIMARY KEY,
    room_pic VARCHAR(255),
    room_name VARCHAR(255) NOT NULL,
    max_capacity INT NOT NULL,
    location VARCHAR(255),
    service VARCHAR(255),
    room_password VARCHAR(255),
    hourly_rate int NOT NULL,
    details VARCHAR(255)
);
-- 방 시간 테이블 생성
CREATE TABLE IF NOT EXISTS Room_Schedules (
    room_id INT NOT NULL,
    date DATE NOT NULL,
    time ENUM('오전', '오후', '야간') NOT NULL,
    available BOOLEAN NOT NULL,
    PRIMARY KEY (room_id, date, time),
    FOREIGN KEY (room_id) REFERENCES Rooms(room_id) ON DELETE CASCADE
);
-- 예약 테이블 생성
CREATE TABLE IF NOT EXISTS Reservations (
    reservation_id INT AUTO_INCREMENT PRIMARY KEY,
    room_id INT NOT NULL,
    user_id VARCHAR(50) NOT NULL,
    reservation_date DATE NOT NULL,

    reservation_time ENUM('오전', '오후', '야간') NOT NULL,
    total_price int NOT NULL,

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    dateOfReservation DATE,
    people int,
    FOREIGN KEY (room_id) REFERENCES Rooms(room_id) ON DELETE CASCADE,
    FOREIGN KEY (user_id) REFERENCES Users(id) ON DELETE CASCADE,
    UNIQUE (room_id, user_id, reservation_date, reservation_time)
);
-- 샘플 데이터 삽입
INSERT INTO Users (id, password, email,name, user_type) VALUES
('hankyu l',
'5d2e1e4c9436e030433dbd06dea8d631b14919be5f9229bd24365d1b486d28d9','hankyul@naver.com', '이한결', '유저'), #9540
('user',
'a5dd24b2f08a686fd386c22c3ff8ee281ef2fbff1fde7008668cda3decfa4669','123@gmail.com', '김유저', '유저'), #user
('manager',
'bd4e0d485272933247d79456292b917dd946cff01367391ac3e5fc1ab9b57381','weud@naver.com', '이관자', '관리자'); #manager
insert into Rooms
(room_pic,room_name,max_capacity,location,service,room_password,hourly_rate,details) values
('/1/','종로구 1호점',50,'세종로','흡연실/주차장/승강기/자판기',1234,40000,'야간 및 주말
대관 가능하며 예약시 선결제 진행부탁드립니다'),
('/2/','강남구 11호점',22,'강남구','주차장/흡연금지/음식물반입금지',5678,91000,'유니크한
사옥형 건물로 신축급 회의실과 발렛 가능'),
('/3/','강남구 20호점',20,'강남구','회의실/파티룸보유',1234,120000,'접근성 좋은 깔끔한 회
의실과 파티룸'),
('/4/','용산구 1호점',40,'용산','카페테리아/미팅룸보유',1234,65000,'실내 인테리어가 고급스
로운 회의실');
insert into Room_Schedules values
(1,'2024-09-20','오전',true),
(1,'2024-09-20','오후',true),
(1,'2024-09-20','야간',true),
(1,'2024-09-21','오전',true),
(1,'2024-09-21','오후',true),
(1,'2024-09-21','야간',true),
(1,'2024-09-22','오전',true),
(1,'2024-09-22','오후',true),
(1,'2024-09-22','야간',true),
(1,'2024-09-23','오전',true),
(1,'2024-09-23','오후',true),
(1,'2024-09-23','야간',true),

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(1,'2024-09-24','오전',true),
(1,'2024-09-24','오후',true),
(1,'2024-09-24','야간',true),
(1,'2024-09-25','오전',true),
(1,'2024-09-25','오후',true),
(1,'2024-09-25','야간',true),
(1,'2024-09-26','오전',true),
(1,'2024-09-26','오후',true),
(1,'2024-09-26','야간',true),
(2,'2024-09-20','오전',true),
(2,'2024-09-20','오후',true),
(2,'2024-09-21','오전',true),
(2,'2024-09-21','오후',true),
(2,'2024-09-22','오전',true),
(2,'2024-09-22','오후',true),
(2,'2024-09-24','오전',true),
(2,'2024-09-24','오후',true),
(2,'2024-09-24','야간',true),
(2,'2024-09-25','오전',true),
(2,'2024-09-25','오후',true),
(2,'2024-09-25','야간',true),
(2,'2024-09-26','오전',true),
(2,'2024-09-26','오후',true),
(2,'2024-09-26','야간',true),
(3,'2024-09-20','오전',true),
(3,'2024-09-20','오후',true),
(3,'2024-09-21','오전',true),
(3,'2024-09-21','오후',true),
(3,'2024-09-22','오전',true),
(3,'2024-09-22','오후',true),
(3,'2024-09-23','오전',true),
(3,'2024-09-23','오후',true),
(3,'2024-09-24','오전',true),
(3,'2024-09-24','오후',true),
(3,'2024-09-24','야간',true),
(3,'2024-09-25','오전',true),
(3,'2024-09-25','오후',true),
(3,'2024-09-25','야간',true),
(3,'2024-09-26','오전',true),
(3,'2024-09-26','오후',true),
(3,'2024-09-26','야간',true),

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(4,'2024-09-20','오전',true),
(4,'2024-09-20','오후',true),
(4,'2024-09-20','야간',true),
(4,'2024-09-21','오전',true),
(4,'2024-09-21','오후',true),
(4,'2024-09-21','야간',true),
(4,'2024-09-22','오전',true),
(4,'2024-09-22','오후',true),
(4,'2024-09-22','야간',true),
(4,'2024-09-23','오전',true),
(4,'2024-09-23','오후',true),
(4,'2024-09-23','야간',true),
(4,'2024-09-24','오전',true),
(4,'2024-09-24','오후',true),
(4,'2024-09-24','야간',true),
(4,'2024-09-25','오전',true),
(4,'2024-09-25','오후',true),
(4,'2024-09-25','야간',true),
(4,'2024-09-26','오전',true),
(4,'2024-09-26','오후',true),
(4,'2024-09-26','야간',true);
```

-- 예약

-- 2024년 09월 19일 오전에 1번방을 hankyul 라는 유저가 멀티룸 대여를 위해 2024년 09월 16일에 결제

```
INSERT INTO Reservations (room_id, user_id, reservation_date, reservation_time,
total_price,dateOfReservation,people)
values(1,'hankyul','2024-09-19','오전',3*(SELECT hourly_rate FROM Rooms WHERE
room_id = 1),'2024-09-16',10);
```

```
UPDATE Room_Schedules SET available = false WHERE room_id = 1 AND date =
'2024-09-19' AND time = '오전';
```

-- 2024년 09월 20일 오전에 1번방을 hankyul 라는 유저가 멀티룸 대여를 위해 2024년 09월 20일에 결제

```
INSERT INTO Reservations (room_id, user_id, reservation_date, reservation_time,
total_price,dateOfReservation,people)
values(1,'hankyul','2024-09-20','오전',3*(SELECT hourly_rate FROM Rooms WHERE
room_id = 1),now(),10);
UPDATE Room_Schedules SET available = false WHERE room_id = 1 AND date =
'2024-09-20' AND time = '오전';
```

-- 2024년 09월 21일 오전에 1번방을 hankyul 라는 유저가 멀티룸 대여를 위해 2024년 09월 21일에 결제

```
INSERT INTO Reservations (room_id, user_id, reservation_date, reservation_time,
total_price,dateOfReservation,people)
values(1,'hankyul','2024-09-21','오전',3*(SELECT hourly_rate FROM Rooms WHERE
room_id = 1),now(),10);
UPDATE Room_Schedules SET available = false WHERE room_id = 1 AND date =
'2024-09-21' AND time = '오전';
```