



CREATE DATABASE gathern;

```

CREATE TABLE User (
    id INT PRIMARY KEY,
    name VARCHAR(25) NOT NULL,
    email VARCHAR(20) NOT NULL UNIQUE,
    password VARCHAR(20) NOT NULL,
    Nationality VARCHAR(30) NOT NULL
);
  
```

```

CREATE TABLE place (
    id INT PRIMARY KEY,
    name VARCHAR(45) NOT NULL,
    rate INT CHECK (rate <= 5),
  
```

```
price NUMERIC NOT NULL,  
description VARCHAR(30) NOT NULL,  
image VARCHAR(30) NOT NULL,  
location VARCHAR(30) NOT NULL,  
place_space DOUBLE NOT NULL,  
category_id INT,  
owner_id INT,  
FOREIGN KEY (category_id) REFERENCES category(id),  
FOREIGN KEY (owner_id) REFERENCES owner(id)  
);
```

```
CREATE TABLE Owner (  
    id INT PRIMARY KEY,  
    name VARCHAR(20) NOT NULL,  
    email VARCHAR(200) UNIQUE,  
    phone_number VARCHAR(10) UNIQUE  
);
```

```
CREATE TABLE category (  
    id INT PRIMARY KEY,  
    type_place VARCHAR(40) NOT NULL UNIQUE  
);
```

```
CREATE TABLE contract (  
    id INT PRIMARY KEY,  
    user_id INT,  
    place_id INT,  
    date_create_contract DATETIME DEFAULT CURRENT_TIMESTAMP,  
    date_check_out DATETIME CHECK (date_check_out > contract.date_create_contract),  
    role VARCHAR(2000) NOT NULL,  
    owner_id INT,  
    FOREIGN KEY (owner_id) REFERENCES owner(id),  
    FOREIGN KEY (place_id) REFERENCES place(id),  
    FOREIGN KEY (user_id) REFERENCES User(id)  
);
```

```
CREATE TABLE comment (  
    id INT PRIMARY KEY,
```

```
user_id INT,  
contract_id INT,  
comment_text VARCHAR(200) NOT NULL,  
date_add_comment DATETIME DEFAULT CURRENT_TIMESTAMP,  
FOREIGN KEY (user_id) REFERENCES User(id),  
FOREIGN KEY (contract_id) REFERENCES contract(id)  
);
```

# Insert data into the category table

```
INSERT INTO category VALUES (1, 'hotels');  
INSERT INTO category VALUES (2, 'farms');  
INSERT INTO category VALUES (3, 'camps');  
INSERT INTO category VALUES (4, 'resorts');
```

# Insert data into the owner table

```
INSERT INTO owner VALUES (1, 'mohammed', 'mohammed@gmail.com', '0555555555');  
INSERT INTO owner VALUES (2, 'Tariq', 'Tariq@gmail.com', '0566666666');  
INSERT INTO owner VALUES (3, 'Abdullah', 'Abdullah@gmail.com', '0588888888');  
INSERT INTO owner VALUES (4, 'Hmode', 'Hmode@gmail.com', '0522222222');
```

# Insert data into the place table

```
INSERT INTO place VALUES (1, 'the hotel', 4, 256, 'The best hotel', 'hotel.png', 'Jeddah', 90, 1,  
1);  
INSERT INTO place VALUES (2, 'the best farm', 3, 33.22, 'the best farm in jeddah', 'farm.png',  
'jeddah', 120, 2, 2);  
INSERT INTO place VALUES (3, 'the camps', 4, 150.4, 'The best camps in Taif', 'camps.png',  
'Taif', 1500, 3, 3);  
INSERT INTO place VALUES (4, 'the resorts', 5, 1150.4, 'The best resorts in Taif', 'resorts.png',  
'Taif', 15200, 4, 4);
```

# Insert data into the user table

```
INSERT INTO User VALUES (1, 'mohammed', 'mohammed@gmail.com', 'm7md08@',  
'saudi');  
INSERT INTO User VALUES (2, 'Sultan', 'Sultan@gmail.com', 'Sultan08@', 'saudi');  
INSERT INTO User VALUES (3, 'Ali', 'Ali@gmail.com', 'Ali08@', 'saudi');  
INSERT INTO User VALUES (4, 'Khalid', 'Khalid@gmail.com', 'Khalid08@', 'saudi');
```

# Insert data into the contract table

```
INSERT INTO contract VALUES (1, 1, 1, CURRENT_TIMESTAMP, '2024/08/12', 'the price with insurance 500 ryal', 1);
```

```
INSERT INTO contract VALUES (2, 2, 2, CURRENT_TIMESTAMP, '2024/08/22', 'the price with insurance 500 ryal', 2);
```

```
INSERT INTO contract VALUES (3, 3, 3, CURRENT_TIMESTAMP, '2024/08/25', 'the price with insurance 1500 ryal', 3);
```

```
INSERT INTO contract VALUES (4, 4, 4, CURRENT_TIMESTAMP, '2024/08/25', 'There are no role', 4);
```

```
# Insert data into the comment table
```

```
INSERT INTO comment VALUES (1, 1, 1, 'Great experience', CURRENT_TIMESTAMP);
```

```
INSERT INTO comment VALUES (2, 2, 2, 'Good service but room was small',  
CURRENT_TIMESTAMP);
```

```
INSERT INTO comment VALUES (3, 3, 3, 'Enjoyed the stay', CURRENT_TIMESTAMP);
```

```
INSERT INTO comment VALUES (4, 4, 4, 'Not satisfied with the service',  
CURRENT_TIMESTAMP);
```

```
# Delete from the comment table
```

```
DELETE FROM comment WHERE id = 1;
```

```
# Delete from the contract table
```

```
DELETE FROM contract WHERE id = 1;
```

```
# Delete from the user table
```

```
DELETE FROM User WHERE id = 1;
```

```
# Delete from the place table
```

```
DELETE FROM place WHERE id = 1;
```

```
# Delete from the owner table
```

```
DELETE FROM owner WHERE id = 1;
```

```
# Delete from the category table
```

```
DELETE FROM category WHERE id = 1;
```

```
# Select all records from the user table
```

```
SELECT * FROM User;
```

# Select all records from the place table  
SELECT \* FROM place;

# Select all records from the owner table  
SELECT \* FROM owner;

# Select all records from the category table  
SELECT \* FROM category;

# Select all records from the contract table  
SELECT \* FROM contract;

# Select all records from the comment table  
SELECT \* FROM comment;