

# Trivago Database Script

```
DROP TABLE MyReservations CASCADE CONSTRAINTS;
```

```
DROP TABLE MyRooms CASCADE CONSTRAINTS;
```

```
DROP TABLE MyHotels CASCADE CONSTRAINTS;
```

```
DROP TABLE MyUsers CASCADE CONSTRAINTS;
```

```
CREATE TABLE MyUsers (  
    user_id INT PRIMARY KEY,  
    username VARCHAR2(50) NOT NULL,  
    email VARCHAR2(150) NOT NULL,  
    password VARCHAR2(150) NOT NULL,  
    role VARCHAR2(10) NOT NULL CHECK (role IN ('user', 'admin')),  
    registration_date TIMESTAMP DEFAULT CURRENT_TIMESTAMP  
);
```

```
CREATE TABLE MyHotels (  
    hotel_id INT PRIMARY KEY,  
    name VARCHAR2(255),  
    location VARCHAR2(255),  
    star_rating INT,  
    description CLOB,  
    amenities VARCHAR2(255),  
    image_url VARCHAR2(255)
```

```
);
```

```
CREATE TABLE MyRooms (  
    room_id INT PRIMARY KEY,  
    hotel_id INT,  
    room_type VARCHAR2(50),  
    price DECIMAL(10,2),  
    capacity INT,  
    FOREIGN KEY (hotel_id) REFERENCES MyHotels(hotel_id) -- Corrected table reference  
);
```

```
CREATE TABLE MyReservations (  
    reservation_id INT PRIMARY KEY,  
    user_id INT,  
    hotel_id INT,  
    room_id INT,  
    check_in_date DATE,  
    check_out_date DATE,  
    guest_count INT,  
    status VARCHAR2(50),  
    FOREIGN KEY (user_id) REFERENCES MyUsers(user_id), -- Corrected table reference  
    FOREIGN KEY (hotel_id) REFERENCES MyHotels(hotel_id), -- Corrected table reference  
    FOREIGN KEY (room_id) REFERENCES MyRooms(room_id) -- Corrected table reference  
);
```

```
-- Insert Sample Data into MyUsers Table:
```

```
INSERT INTO MyUsers (user_id, username, email, password, role)
VALUES (1, 'user1', 'user1@example.com', 'password1', 'user');
```

```
INSERT INTO MyUsers (user_id, username, email, password, role)
VALUES (2, 'user2', 'user2@example.com', 'password2', 'admin');
```

```
INSERT INTO MyUsers (user_id, username, email, password, role)
VALUES (3, 'df', 'df@example.com', 'df', 'user');
```

```
INSERT INTO MyUsers (user_id, username, email, password, role)
VALUES (4, 'mohamed Ragab', 'mohamedRagab@example.com', '123', 'admin');
-----User
```

-- Insert Sample Data into MyHotels Table:

```
INSERT INTO MyHotels (hotel_id, name, location, star_rating, description, amenities, image_url)
VALUES (1, 'Hilton', 'cairo', 4, 'Description of Hotel Hilton', 'Pool, Gym, Spa', 'image_url_1');
```

```
INSERT INTO MyHotels (hotel_id, name, location, star_rating, description, amenities, image_url)
VALUES (2, 'Four Seasons', 'cairo', 3, 'Description of Hotel Four Seasons', 'Restaurant, Bar',
'image_url_2');
```

```
INSERT INTO MyHotels (hotel_id, name, location, star_rating, description, amenities, image_url)
VALUES (3, 'Amanpuri', 'cairo', 3, 'Description of Hotel Amanpuri', 'Restaurant, Bar', 'image_url_3');
```

```
INSERT INTO MyHotels (hotel_id, name, location, star_rating, description, amenities, image_url)
VALUES (4, 'Marriott', 'dhubi', 3, 'Description of Hotel Marriott', 'Restaurant, Bar', 'image_url_4');
```

```
INSERT INTO MyHotels (hotel_id, name, location, star_rating, description, amenities, image_url)
VALUES (5, 'Oberoi', 'dhubi', 3, 'Description of Hotel Oberoi', 'Restaurant, Bar', 'image_url_5');
```

```
INSERT INTO MyHotels (hotel_id, name, location, star_rating, description, amenities, image_url)
VALUES (6, 'Emirates Palace', 'dhubi', 3, 'Description of Hotel Emirates Palace', 'Restaurant, Bar',
'image_url_6');
```

```
-- -----Hotel
```

```
-- Insert Sample Data into MyRooms Table:
```

```
INSERT INTO MyRooms (room_id, hotel_id, room_type, price, capacity)
VALUES (1, 1, 'Standard', 100.00, 2);
```

```
INSERT INTO MyRooms (room_id, hotel_id, room_type, price, capacity)
VALUES (2, 1, 'Suite', 250.00, 4);
```

```
INSERT INTO MyRooms (room_id, hotel_id, room_type, price, capacity)
VALUES (3, 2, 'Standard', 80.00, 2);
```

```
INSERT INTO MyRooms (room_id, hotel_id, room_type, price, capacity)
VALUES (4, 4, 'Suite', 120.00, 3);
```

```
INSERT INTO MyRooms (room_id, hotel_id, room_type, price, capacity)
VALUES (5, 5, 'Standard', 150.00, 5);
```

```
INSERT INTO MyRooms (room_id, hotel_id, room_type, price, capacity)
VALUES (6, 6, 'Suite', 200.00, 6);
```

```
-- -----Room
```

-- Insert sample data into MyReservations table

```
INSERT INTO MyReservations (reservation_id, user_id, hotel_id, room_id, check_in_date,
check_out_date, guest_count, status)
```

```
VALUES (1, 1, 1, 1, DATE '2024-05-10', DATE '2024-05-15', 2, 'Confirmed');
```

```
INSERT INTO MyReservations (reservation_id, user_id, hotel_id, room_id, check_in_date,
check_out_date, guest_count, status)
```

```
VALUES (2, 2, 2, 3, DATE '2024-06-01', DATE '2024-06-05', 2, 'Confirmed');
```

-- -----Reservation

-- -----

-- -----

```
select *
```

```
FROM myusers;
```

```
SELECT *
```

```
from MyHotels;
```

```
SELECT *
```

```
from MyRooms;
```

```
SELECT *
```

```
from myreservations;
```

# Store Procedure

## GetUserProfile:

create or replace

```
PROCEDURE GetUserProfile (  
    p_user_id IN NUMBER,  
    p_username OUT VARCHAR2,  
    p_email OUT VARCHAR2,  
    p_password OUT VARCHAR2,  
    p_role OUT VARCHAR2  
) AS  
BEGIN  
    SELECT username, email, password, role INTO p_username, p_email, p_password, p_role  
    FROM MyUsers  
    WHERE user_id = p_user_id;  
END;
```

## GetHotelsByName:

create or replace

```
PROCEDURE GetHotelsByName (  
    p_hotelName IN VARCHAR2,  
    p_result OUT SYS_REFCURSOR  
) AS  
BEGIN  
    OPEN p_result FOR  
    SELECT * FROM MyHotels WHERE name LIKE '%' || p_hotelName || '%';  
END;
```

## GetHotelsLocation:

create or replace

```
PROCEDURE GetHotelsLocation (
```

```
    p_hotelLocation IN VARCHAR2,
```

```
    p_result OUT SYS_REFCURSOR
```

```
) AS
```

```
BEGIN
```

```
    OPEN p_result FOR
```

```
        SELECT * FROM MyHotels WHERE location LIKE '%' || p_hotelLocation || '%';
```

```
END;
```