

```
DROP DATABASE IF EXISTS hotel_reservation_system;
CREATE DATABASE hotel_reservation_system;
USE hotel_reservation_system;
```

```
CREATE TABLE guests (
  id INT AUTO_INCREMENT PRIMARY KEY,
  name VARCHAR(255),
  phone INT,
  email TEXT,
  created_at VARCHAR(50)
);
```

```
CREATE TABLE rooms (
  id INT AUTO_INCREMENT PRIMARY KEY,
  hotel_id INT,
  room_number VARCHAR(255),
  price VARCHAR(255),
  is_available VARCHAR(10),
  notes TEXT
);
```

```
CREATE TABLE reservations (
  id INT AUTO_INCREMENT PRIMARY KEY,
  guest_id INT,
  room_id INT,
  check_in TEXT,
  check_out TEXT,
  status VARCHAR(255),
  created_at VARCHAR(50)
);
```

```
CREATE TABLE payments (
  id INT AUTO_INCREMENT PRIMARY KEY,
  reservation_id INT,
  amount FLOAT,
  payment_reference TEXT,
  created_at VARCHAR(50)
);
```

```
INSERT INTO guests (name, phone, email, created_at) VALUES
('Ahmed Ali', 0101234567, 'ahmed@test.com', '2024-11-11'),
('Ahmed Ali', 0101234567, 'ahmed@test.com', '2024-11-12'),
('Sara Mohamed', 0119876543, 'sara@test.com', 'invalid-date'),
(NULL, NULL, NULL, NULL);
```

```
INSERT INTO rooms (hotel_id, room_number, price, is_available, notes) VALUES
(1, '101', '300', 'yes', 'Sea view'),
(1, '102', '350EGP', 'True', 'Invalid price format'),
(2, '201', '400', '1', NULL),
(999, '301', '500', 'False', 'Hotel does not exist');
```

```
INSERT INTO reservations (guest_id, room_id, check_in, check_out, status, created_at)
VALUES
(1, 1, '2024/10/10', '2024/10/15', 'confirmed', '10-10-2024'),
(1, 1, '2024-10-12', '2024-10-11', 'confirmed', '2024-10-12'),
(2, 2, '2024-10-05', '2024-10-08', 'pending', '2024-10-05'),
(99, 1, '2024-10-01', '2024-10-05', 'confirmed', '2024-10-01');
```

```
INSERT INTO payments (reservation_id, amount, payment_reference, created_at) VALUES
(1, 300.50, 'REF123456', '2024-11-11'),
(1, -500, 'NEGATIVE_AMOUNT', '2024-11-12'),
(2, 200.00, 'ABC123', '2024-11-13'),
(999, 100, 'INVALID_RESERVATION', '2024-11-14');
```