

This is a hotel room management project that gives user the ability to search, add/cancel reservation of rooms based on their desires. All data is stored in MySQL database, modifications done in the Java compiler will reflect to database.

Hotel has the following properties: name, location, number of occupied rooms, and number of room numbers. It also has features to search and add more rooms along with other common operations such as request/cancel reservations.

Room stores room number, bed type, occupant name, and rates, etc. It provides operations to modify the status of a room.

```
Object.java x Hotel.java x Room.java x HotelTest.java x
7      hotel.addRoom( roomNumber: 103, occupantName: "Blake", s: 'n', bedType: "King", roomRate: 4.8);
8      hotel.addRoom( roomNumber: 104, occupantName: "Tris", s: 'n', bedType: "Twins", roomRate: 5.0);
9
10     System.out.println(hotel.toString());
11 }
12
13
```

Run: HotelTest x

Number of Occupied Rooms: 5
Room Details are:
Room Number: 100
Occupant Name: Mike
Smoking room: n
Bed Type: King
Rate: 5.0

Room Number: 101
Occupant Name: Jennifer
Smoking room: s
Bed Type: King
Rate: 5.0

Room Number: 102
Occupant Name: Paul
Smoking room: s
Bed Type: Queen
Rate: 4.8

Room Number: 103
Occupant Name: Blake
Smoking room: n
Bed Type: King
Rate: 4.8

DB Browser

MySQL Connection

- MySQL Connection
 - Consoles (1)
 - Schemas (8)
 - hotel
 - Tables (2)
 - hotel
 - room
 - Views
 - Procedures
 - Functions
 - information_schema
 - jdbc
 - mysql
 - performance_schema
 - sakila
 - sys

Table: hotel

Schema: hotel

Connection: MySQL Connection

hotelName	location
Beach Marriott	California

Auto-Commit OFF - connected

```

21 • ALTER TABLE Room
22     ADD CONSTRAINT A_hotelName
23     FOREIGN KEY (hotelName) REFERENCES Hotel(hotelName);
24
25 • SELECT * FROM Room;
26 • SELECT * FROM Hotel;
27

```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content

	roomNumber	hotelName	occupantName	smoking	occupied	bedType	roomRate
	100	beach ma...	Mike	n	1	King	5.0
	101	beach ma...	Jennifer	s	2	King	5.0
	102	beach ma...	Paul	s	3	Queen	4.8
	103	beach ma...	Blake	n	4	King	4.8
	104	beach ma...	Brad	n	5	Twin	4.9
	NULL		NULL	NULL	NULL	NULL	
	NULL	NULL	NULL	NULL	NULL	NULL	NULL

Result Grid

Form Editor

Field Types

Query Stats

Room 1 x Hotel 2

Apply

Revert