

QUERIES

- 1) Retrieve reservations for a certain room.

**SELECT * FROM reservation JOIN room
ON reservation.roomID = room.roomnumber
WHERE room.roomnumber = 777**

- 2) *Retrieve a guest reservation*

**SELECT * FROM guest JOIN reservation ON reservation.guestID =
guest.guestID
WHERE getdate() between startDate and endDate**

- 3) *Retrieve a guest total bill which include the cost of his reservations and his orders with itemized details of each room reservation and service order under his name.*

**SELECT r.roomID o.*, s.* FROM order_service os JOIN order o
ON os.OrderNo = o.OrderNo JOIN service s ON s.serviceNo = os.serviceNo
JOIN room r ON r.guestID = g.guestID**

- 4) *Retrieve vacant room in a certain day available for reservation.*

**SELECT * FROM room WHERE roomnumber NOT in (SELECT roomID FROM
reservation WHERE getdate() between startDate and endDate)**