Quiz 3

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Exer 3 Part II

(1)

SELECT \*

FROM Hotel;

(2)

SELECT \*

FROM Room

WHERE type IN (‘Double’, ‘Family’) AND price < 40

ORDER BY price;

(3)

SELECT \*

FROM Booking

WHERE dateTo IS NULL;

(4)

SELECT COUNT(\*) AS hotelNum

FROM Hotel;

(5)

SELECT COUNT(DISTINCT guestNo) AS guestNum

FROM Booking

WHERE MONTH(dateFrom) = 8 AND MONTH(dateTo) = 8;

(6)

SELECT type, price

FROM Room

WHERE hotelNo = (SELECT hotelNo

FROM Hotel

WHERE hotelName= ‘ Grosvenor’);

(7)

SELECT \*

FROM Room

WHERE roomNo NOT IN (SELECT roomNo

FROM Booking

WHERE dateFrom <= NOW() AND dateTo > NOW())

AND hotelNo = (SELECT hotelNo

FROM Hotel

WHERE hotelName = ‘Grosvenor’);

(8)

SELECT hotelNo, COUNT(\*) AS roomNum

FROM Room

WHERE hotelNo IN (SELECT hotelNo

FROM Hotel

WHERE city= ‘London’)

GROUP BY hotelNo;

(9)

SELECT hotelNo, AVG(\*) AS bookingNum

FROM Booking

WHERE MONTH(dateFrom) = 8 AND MONTH(dateTo) = 8

GROUP BY hotelNo;

(10)

UPDATE Room

SET price = price \* 1.05;

Part III

(1)

CREATE VIEW hotel\_guest AS

SELECT hotelName, guestName

FROM (hotel NATURAL JOIN booking) NATURAL JOIN guest

(2)

GRANT SELECT

ON hotel\_guest

To user;

REVOKE SELECT

ON hotel\_guest

FROM user;