INStephen Psaradellis

CSC 423 Assignment 5

1) CREATE TABLE Hotel (hotelNo CHAR(4) NOT NULL, hotelName VARCHAR(100), city VARCHAR(100), PRIMARY KEY(hotelNo));

CREATE TABLE Room (roomNo CHAR(4) NOT NULL, hotelNo CHAR(4) NOT NULL, type VARCHAR(20), price DECIMAL(6,2) CHECK(price BETWEEN 100 AND 1000) NOT NULL, PRIMARY KEY(roomNo, hotelNo));

CREATE TABLE Booking (hotelNo CHAR(4) NOT NULL, guestNo CHAR(9) NOT NULL, dateFrom DATE NOT NULL, dateTo DATE, roomNo CHAR(4), PRIMARY KEY(hotelNo, guestNo, dateFrom));

CREATE TABLE Guest (guestNo CHAR(9) NOT NULL, guestName VARCHAR(100), guestAdress VARCHAR(100), PRIMARY KEY(guestNo));

2)

INSERT INTO Hotel (‘h721’, ‘The Plaza’, ‘New York’);

INSERT INTO Hotel (‘h672’, ‘The Peninsula’, ‘New York’);

INSERT INTO Hotel (‘h563’, ‘Fairmont Olympic Hotel’, ‘Seattle’);

INSERT INTO Hotel (‘h564’, ‘Fairmont’, ‘San Fransisco’);

INSERT INTO Hotel (‘h545’, ‘Four Seasons Hotel’, ‘San Fransisco’);

INSERT INTO Hotel (‘h866’, ‘Park Hyatt’, ‘Los Angeles’);

INSERT INTO Room VALUES('r101', 'h688', 'standard', 250.00);  
 INSERT INTO Room VALUES('r102', 'h688', 'standard', 250.00);  
 INSERT INTO Room VALUES('r201', 'h564', 'suite', 388.00);  
 INSERT INTO Room VALUES('r204', 'h545', 'suite', 499.00);  
 INSERT INTO Room VALUES('r301', 'h721', 'deluxe', 580.00);  
 INSERT INTO Room VALUES('r401', 'h677', 'presidential suite', 998.00);

INSERT INTO Guest VALUES(‘G04920228’, ‘Angel’, ‘New York’);

INSERT INTO Guest VALUES(‘G06921018’, ‘Rainbow’, ‘Los Angeles’);

INSERT INTO Guest VALUES(‘G00930325’, ‘Michelle’, ‘Miami’);

INSERT INTO Guest VALUES(‘G01930223’, ‘Elaine’, ‘Seattle’);

INSERT INTO Guest VALUES(‘G06911227’, ‘Lily’, ‘Miami’);

INSERT INTO Guest VALUES(‘G00910215’, ‘Yvonne’, ‘San Fransisco’);

INSERT INTO Booking VALUES(‘h688’, ‘G04920228’, TO\_DATE(‘2018-01-01’),

TO\_DATE(‘2018-01-01’), ‘r101’);

INSERT INTO Booking VALUES(‘h688’, ‘G04920228’, TO\_DATE(‘2018-02-01’),

TO\_DATE(‘2018-02-10’), ‘r101’);

INSERT INTO Booking VALUES(‘h990’, ‘G06921018’, TO\_DATE(‘2018-02-01’), TO\_DATE(‘2018-02-10’), ‘r101’);

INSERT INTO Booking VALUES(‘h990’, ‘G00930325’, TO\_DATE(‘2018-02-01’), TO\_DATE(‘2018-02-10’), ‘r102’);

INSERT INTO Booking VALUES(‘h564’, ‘G00910215’, TO\_DATE(‘2018-05-30’), TO\_DATE(‘2018-06-10’), ‘r201’);

INSERT INTO Booking VALUES(‘h564’, ‘G90900990’, TO\_DATE(‘2018-08-19’), TO\_DATE(‘2018-08-21’), r203);

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3)

1. SELECT hotelNo, hotelName FROM Hotel WHERE city = ‘Miami’;
   1. OUTPUT: ‘no rows selected’ (I don’t have any tuples with Miami as the city)
2. SELECT \* FROM Guest;
   1. OUTPUT:

SQL>

GUESTNO GUESTNAME GUESTADRESS  
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G04920228 Angel New York  
G06921018 Rainbow Los Angeles  
G00930325 Michelle Miami  
G01930223 Elaine Seattle  
G06911227 Lily Miami