Database Management Systems
Collection of All Assignments

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Part I

Questions

Chapter 1

DDL & DML

1.1 Assignment 1

1.1.1 Data Definition Language

Table Details

- Hotel (hotel_no(10, varchar), name(20, varchar), address(30,varchar))

- Room (room_no(10, varchar), hotel_no(10, varchar), type(10, varchar), price(20, number))

- Booking (hotel_no(10, varchar), guest_no(10, varchar), date_from(date), date_to(10), room_no(10, varchar))

- Guest (guest_no(10, varchar), name(30, varchar), address(30, varchar))

Questions

1. Create table hotel that contains all hotel details, hotel_no is the primary key.

2. Create table room that contains all room details for a hotel. room_no and hotel_no are the primary keys.

3. Create table booking that contains booking details for a guest. Primary keys are hotel_no, guest_no and date_from.

4. Create table guest that contains guest details. Primary key is guest_no.

5. Alter table hotel and add an attribute "status".

6. Alter table guest and modify the size of guest name to 30.

7. Rename table hotel to cityhotel.

8. Drop table room.

9. Describe table hotel.

10. Describe table guest.

1.2 Assignment 2

Create the following tables and insert the records in the tables as mentioned

1.2.1 HOTEL

NAME	ADDRESS	HOTEL_NO
GRAND	KOLKATA	H1
TAJ	MUMBAI	H2
PURI	PURI	H3
ITC	KOLKATA	H4
PARK	CHENNAI	H5
ITC	MUMBAI	H6
SONALI	PURI	H7

1.2.2 ROOM

ROOM_NO	HOTEL_NO	TYPE	PRICE
R1	H1	AC	2000
R2	H1	NONAC	1000
R1	H2	DELUX	2500
R2	H2	NONAC	1000
R3	H4	AC	1800
R4	H5	DELUX	3000
R2	H3	AC	2900
R1	H6	AC	2500
R5	H7	NONAC	900

1.2.3 BOOKING

ROOM_NO	HOTEL_NO	GUEST_NO	DATE_FROM	DATE_TO
R1	H1	G1	01-01-2016	08-01-2016
R2	H1	G2	12-01-2016	18-01-2016
R1	H2	G3	01-02-2016	08-02-2016
R2	H2	G4	18-01-2016	28-01-2016
R3	H4	G5	10-03-2016	18-03-2016
R4	H5	G6	11-01-2016	18-01-2016
R2	H3	G7	21-02-2016	28-02-2016
R1	H6	G8	22-02-2016	27-02-2016

1.2.4 GUEST

GUEST_NO	NAME	ADDRESS	AGE
G1	RAM	MUMBAI	43
G2	SHYAM	KOLKATA	32
G3	JADU	KOLKATA	26
G4	MADHU	KOLKATA	48
G5	SMITH	CHENNAI	55
G6	JONES	CHENNAI	39
G7	RIMI	KOLKATA	38
G8	RAJA	PURI	24
G9	SIMA	MUMBAI	62

1.2.5   Questions

1. List all the hotels in KOLKATA.

2. List the room details of hotel H1.

3. List the guest names who live in CHENNAI.

4. List the guest_no who stayed from 01-01-2016 to 08-01-2016.

5. List the room details whose price is > 2000 and < 3000.

6. List the guest names whose age is less than 50 but more than 30.