

BS – (SWE) Part –III (evening)

Course: Database Management and Administration

Teacher: Kamran Dahri

Final Assignment of Database System Course

Submission Deadline: 16th July 2021

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Class: 2k19/swee/41

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Submitted to: Sir Kamran Dahri

Class: Software part 3 (evening)

Create following tables and solve below given questions.

Tables

Hotel (hotelNo, hotelName, city)

Room (roomNo, hotelNo, type, price)

Booking (hotelNo, guestNo, dateFrom, dateTo, roomNo)

Guest (guestNo, guestName, guestAddress)

1.Show all the guests and their addresses, who stayed in hotel from 20-01-2018 to 20-02-2018.

1.Answer:

```
select guest_name , guest_address , date_from , date_to from booking, guest
where (guest.guest_no = booking.guest_no) and (booking.DATE_FROM = '01-20-2018' )
and (booking.DATE_TO = '02-20-2018' )
```

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2. Show names of all the guests of hotel who have stayed in Room no 512 from date 20-01-2018 to 22-02-2018

1. Answer:

```
select guest_name , hotel_name , city from room,booking,guest,hotel
where (room.room_no= booking.room_no) AND (booking.guest_no= guest.guest_no) AND
(hotel.hotel_number= booking.hotel_no) AND (DATE_FROM='01-20-2018') AND
(DATE_TO='02-22-2018') AND (room.room_no=512)
```

3. Show all the names of guests who have stayed in “City Hotel” in room no 500 in city Hyderabad.

Answer:

```
select guest_name , hotel_name , city , room.room_no from room , booking ,
guest , hotel
where (guest.guest_no = booking.guest_no) and (room.hotel_no =
hotel.hotel_number) and (city='Hyd') and (room.room_no=500) and
(hotel_name='city gate');
```

4. Show all the room numbers of “City Hotel” which are not yet booked.

Answer:

```
select hotel_name , room.room_no , guest_name from room , booking , guest , hotel
where (guest.guest_no = booking.guest_no) and (room.hotel_no = hotel.hotel_number) and
(guest_name=null) and (hotel_name='city gate')
```