

# AKASH SHETTY

## SQL PROJECT

TABLE:

```
Hotel.sql - LAPTOP-...\\Akash Shetty (75)  X
--
-- create table Hotel (
--     hotelNo numeric(10),
--     hotelName varchar(20),
--     city varchar(8),
--     constraint hotel_PK PRIMARY KEY(hotelNo)
-- );
--
-- CREATE TABLE Room (
--     roomNo numeric(10),
--     hotelNo numeric(10),
--     type varchar(20),
--     price money,
--     CONSTRAINT room_pk PRIMARY KEY(roomNo, hotelNo),
--     CONSTRAINT hotel_fk FOREIGN KEY(hotelNo) REFERENCES Hotel
-- );
--
-- CREATE TABLE Guest (
--     guestNo numeric(10),
--     guestName varchar(20),
--     guestAddress varchar(30),
--     CONSTRAINT guest_pk PRIMARY KEY(guestNo)
-- );
```

```
CREATE TABLE Guest (  
    guestNo numeric(10),  
    guestName varchar(20),  
    guestAddress varchar(30),  
    CONSTRAINT guest_pk PRIMARY KEY(guestNo)  
);  
  
CREATE TABLE Booking (  
    hotelNo numeric(10),  
    guestNo numeric(10),  
    dateFrom datetime,  
    dateTo datetime,  
    roomNo numeric(10),  
    CONSTRAINT booking_pk PRIMARY KEY(hotelNo, guestNo, dateFrom),  
    CONSTRAINT room_fk FOREIGN KEY(roomNo, hotelNo) REFERENCES Room,  
    CONSTRAINT guest_fk FOREIGN KEY(guestNo) REFERENCES guest  
);
```

## INSERTION:

insert all rec of ho...E\Akash Shetty (55) X Hotel.sql - LAPTOP-...Akash Shetty (75)

```
insert into Hotel values (5431, 'Taj', 'Mumbai');
insert into Hotel values (5551, 'Oberoi', 'NewDelhi');
insert into Hotel values (3451, 'Leela Palace', 'Udaipur');
insert into Hotel values (1122, 'Rambagh', 'Jaipur');
insert into Hotel values (1342, 'ST.Regis', 'Mumbai');
insert into Hotel values (7782, 'Soho House', 'Mumbai');

insert into Room values (910, 5551, 'Double', 2555);
insert into Room values (915, 5551, 'Family', 3455);
insert into Room values (448, 7782, 'Double', 1565);
insert into Room values (110, 1122, 'Double', 3955);
insert into Room values (910, 1342, 'Single', 2743);
insert into Room values (448, 1122, 'Suite', 1155);

insert into Guest values (9878987, 'Akash', 'Ulwe');
insert into Guest values (4445555, 'Arya', 'Koparkharine');
insert into Guest values (7777777, 'Prakash', 'Ulwe');
insert into Guest values (3434343, 'Ajeet', 'Kalamboli');
insert into Guest values (1000001, 'Ram', 'Nerul');
insert into Guest values (9998888, 'Sam', 'Panvel');

insert into booking values (1122, 9878987, '23-Feb-2020', '28-Feb-2020', 110);
insert into booking values (1122, 7777777, '2-Mar-2020', '10-Mar-2020', 110);
```

```
insert into Guest values (9878987, 'Akash', 'Ulwe');
insert into Guest values (4445555, 'Arya', 'Koparkharine');
insert into Guest values (7777777, 'Prakash', 'Ulwe');
insert into Guest values (3434343, 'Ajeet', 'Kalamboli');
insert into Guest values (1000001, 'Ram', 'Nerul');
insert into Guest values (9998888, 'Sam', 'Panvel');

insert into booking values (1122, 9878987, '23-Feb-2020', '28-Feb-2020', 110);
insert into booking values (1122, 7777777, '2-Mar-2020', '10-Mar-2020', 110);
insert into booking values (1342, 9878987, '3-Mar-2020', '4-Mar-2020', 910);
insert into booking values (5551, 3434343, '7-Mar-2020', '9-Mar-2020', 915);
insert into booking values (7782, 4445555, '11-Mar-2020', '14-Mar-2020', 448);
insert into booking values (1122, 4445555, '20-Mar-2020', '24-Mar-2020', 448);
```

## DATABASE: 4 TABLES

SQLQuery3.sql - LA...\Akash Shetty (53))\* select all tables fr...E\Akash Shetty (52))

```

select * from Hotel
select * from Room
select * from Booking
select* from Guest
  
```

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Results Messages

	hotelNo	hotelName	city
1	1122	Rambagh	Jaipur
2	1342	ST.Regis	Mumbai
3	3451	Leela Palace	Udaipur
4	5431	Taj	Mumbai
5	5551	Oberoi	NewDelhi
6	7782	Soho House	Mumbai

	roomNo	hotelNo	type	price
1	110	1122	Double	3955.00
2	448	1122	Suite	1155.00
3	448	7782	Double	1565.00
4	910	1342	Single	2743.00
5	910	5551	Double	2555.00
6	915	5551	Family	3455.00

	hotelNo	guestNo	dateFrom	dateTo	roomNo
1	1122	4445555	2020-03-20 00:00:00.000	2020-03-24 00:00:00.000	448
2	1122	7777777	2020-03-02 00:00:00.000	2020-03-10 00:00:00.000	110
3	1122	9878987	2020-02-23 00:00:00.000	2020-02-28 00:00:00.000	110
4	1342	9878987	2020-03-03 00:00:00.000	2020-03-04 00:00:00.000	910
5	5551	3434343	2020-03-07 00:00:00.000	2020-03-09 00:00:00.000	915
6	7782	4445555	2020-03-11 00:00:00.000	2020-03-14 00:00:00.000	448

	guestNo	guestName	guestAddress
1	1000001	Ram	Nerul
2	3434343	Ajeet	Kamothe
3	4445555	Arya	Koparkharine
4	7777777	Prakash	Ulwe
5	9878987	Akash	Ulwe
6	9998888	Sam	Parvel

## QUERIES:

1) Fetch the information related to billing amount of each client with Price.

Fetch the informati...\Akash Shetty (52))

```
SELECT C.hotelNo, C.guestNo, C.dateFrom, C.dateTo, C.roomNo, P.price
FROM Booking AS C
LEFT JOIN Room AS P
ON C.hotelNo= P.hotelNo
```

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Results Messages

	hotelNo	guestNo	dateFrom	dateTo	roomNo	price
1	1122	4445555	2020-03-20 00:00:00.000	2020-03-24 00:00:00.000	448	3955.00
2	1122	4445555	2020-03-20 00:00:00.000	2020-03-24 00:00:00.000	448	1155.00
3	1122	7777777	2020-03-02 00:00:00.000	2020-03-10 00:00:00.000	110	3955.00
4	1122	7777777	2020-03-02 00:00:00.000	2020-03-10 00:00:00.000	110	1155.00
5	1122	9878987	2020-02-23 00:00:00.000	2020-02-28 00:00:00.000	110	3955.00
6	1122	9878987	2020-02-23 00:00:00.000	2020-02-28 00:00:00.000	110	1155.00
7	1342	9878987	2020-03-03 00:00:00.000	2020-03-04 00:00:00.000	910	2743.00
8	5551	3434343	2020-03-07 00:00:00.000	2020-03-09 00:00:00.000	915	2555.00
9	5551	3434343	2020-03-07 00:00:00.000	2020-03-09 00:00:00.000	915	3455.00
10	7782	4445555	2020-03-11 00:00:00.000	2020-03-14 00:00:00.000	448	1565.00

2) Fetch the information of all the guest who are staying between (25<sup>th</sup> Dec to 30<sup>th</sup> Dec) but as these dates are not available in the database I had displayed 23<sup>rd</sup> Feb to 9<sup>th</sup> March

proj q2.sql - LAPTO... \Akash Shetty (56)) X Fetch the informati... \Akash Shetty (52))

```
SELECT guestNo, guestName from guest where guestNo In  
(select guestNo from Booking where datefrom  
between '2020-02-23 00:00:00.000' and '2020-03-09 00:00:00.000')
```

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Results Messages

	guestNo	guestName
1	3434343	Ajeet
2	7777777	Prakash
3	9878987	Akash