

Name: Yash Mahajan
Class: SE INFT B

Roll No:04
PID:191061

Batch:B1
Seat No:31063

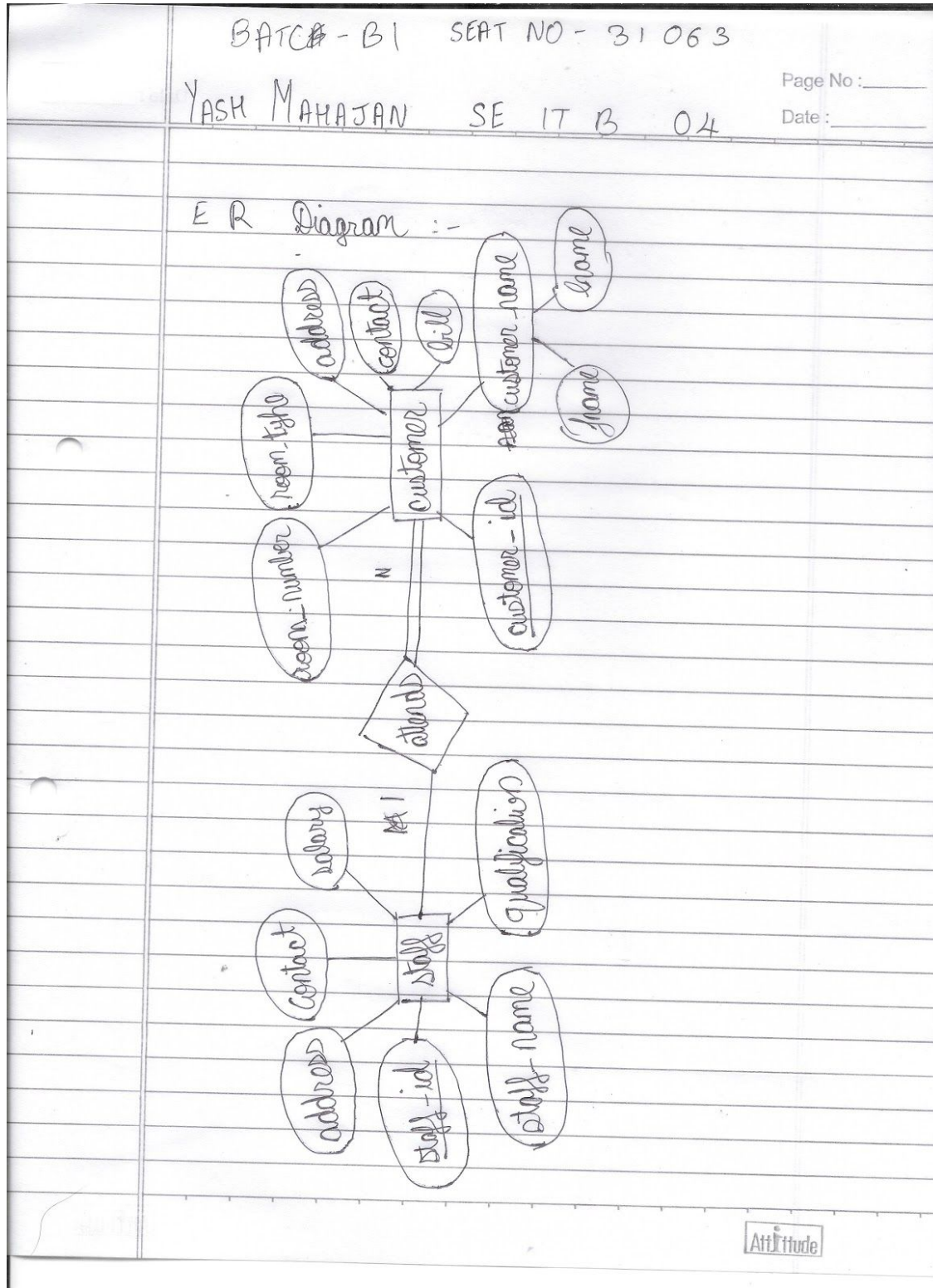
SQL PRACTICAL EXAM

QUESTION

Hotel management system records details of hotel staff and customers. The hotel staff attends to the customer requirements. The staff's ID, name, address, contact number, qualification and salary are recorded. Details of customers such as customer name, room number, address, contact number, type of room (AC/ non AC), ID card number, total bill amount are recorded.

1. Draw ER diagram
2. Create a database and two tables.
3. Insert 3 values for each table.
4. Find out the names of the staff with a salary above 30000.
5. Add a column no_of_days of stay to the customer table

ER Diagram:



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CODE:

```
CREATE DATABASE hotel;
USE hotel;

CREATE TABLE staff(
    staff_id varchar(20) PRIMARY KEY,
    staff_name varchar(50),
    address varchar(50),
    contact bigint UNIQUE,
    qualification varchar(50),
    salary int
);

CREATE TABLE customer(
    customer_id varchar(20) PRIMARY KEY,
    fname varchar(50),
    lname varchar(50),
    address varchar(50),
    contact bigint UNIQUE,
    room_no int UNIQUE,
    room_type varchar(50),
    bill int,
    staff_id varchar(20),
    foreign key (staff_id) references staff(staff_id)
);

INSERT INTO staff VALUES("1","VINCENT CHARLES", "101 PARK AVENUE",1234567890,"HSC",10000);
INSERT INTO staff VALUES("2","ROSS GELLER", "102 PARK AVENUE",9087654321,"BA",25000);
INSERT INTO staff VALUES("3","JOSEPH GREEN", "103 PARK AVENUE",8901234567,"BA",25000);
INSERT INTO staff VALUES("4","MISTY GREEN", "104 PARK AVENUE",8932234567,"BA",35000);

SELECT * FROM staff;
```

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```
INSERT INTO customer VALUES("1","VINCENT", "CHARLES", "101 PARK
AVENUE",1234567890,101,"AC",1000,"1");
INSERT INTO customer VALUES("2","ROSS", "GELLER", "102 PARK
AVENUE",9087654321,102,"AC",2000,"2");
INSERT INTO customer VALUES("3","JOSEPH", "GREEN", "103 PARK
AVENUE",8901234567,103,"NON AC",1500,"3");

SELECT * FROM customer;

SELECT staff_name
FROM staff
where salary>30000;

ALTER TABLE customer
ADD no_of_days INT;
```

OUTPUT:


Insert 3 values for each table.


| Result Grid | | | | | | | | | |
|--------------|-----------------|-----------------|------------|----------------|--------|--------------------|--|--|--|
| Filter Rows: | | Edit: | | Export/Import: | | Wrap Cell Content: | | | |
| staff_id | staff_name | address | contact | qualification | salary | | | | |
| 1 | VINCENT CHARLES | 101 PARK AVENUE | 1234567890 | HSC | 10000 | | | | |
| 2 | ROSS GELLER | 102 PARK AVENUE | 9087654321 | BA | 25000 | | | | |
| 3 | JOSEPH GREEN | 103 PARK AVENUE | 8901234567 | BA | 25000 | | | | |
| 4 | MISTY GREEN | 104 PARK AVENUE | 8932234567 | BA | 35000 | | | | |
| NULL | NULL | NULL | NULL | NULL | NULL | | | | |


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
Result Grid



 Filter Rows:

Export: 

Wrap Cell Content: 

| | staff_name |
|---|-------------|
|  | MISTY GREEN |

[illegible]