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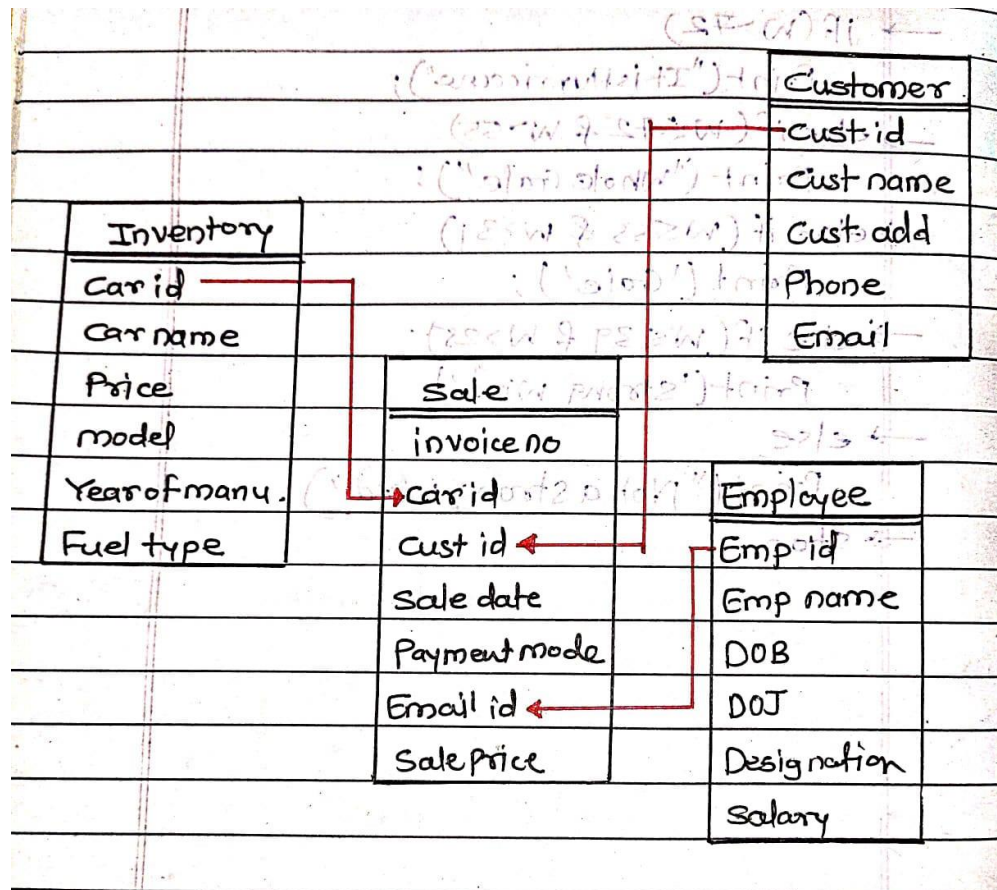
ASSIGNMENT

Q. create a database called CARSHOWROOM having the schema as defined below

It has the following four relations:

- 1) **INVENTORY**: Stores name, price, model, year of manufacturing, and fuel type for each car in inventory of the showroom
- 2) **CUSTOMER**: Stores customer id, name, address, phone number and email for each customer
- 3) **SALE**: Stores the invoice number, car id, customer id, sale date, mode of payment, sales person's employee id and selling price of the car sold
- 4) **EMPLOYEE**: Stores employee id, name, date of birth, date of joining, designation and salary of each employee in the showroom.

Ans:



```
create database carshowroom;
use carshowroom;
```

```
create table inventory(
car_id int primary key,
car_name varchar(20) not null,
price float not null,
```

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```
model varchar(10) not null,  
year_of_manu int not null,  
fuel_type set("petrol","CNG","Diesel","LPG","EV"));
```

```
select * from inventory;
```

```
create table customer(  
  cust_id int primary key,  
  cust_name varchar(20) not null,  
  cust_add varchar(50) not null,  
  phone varchar(10) unique not null,  
  email varchar(50) not null);
```

```
select * from customer;
```

```
create table employee(  
  emp_id int primary key auto_increment,  
  emp_name varchar(20),  
  dob date,  
  doj date,  
  desig varchar(20),  
  salary float not null);  
select * from employee;
```

```
create table sale(  
  invoice_no int primary key,  
  car_id int not null,  
  cust_id int not null,  
  sale_date date,  
  payment_mode set("cash","UPI","cheque","Net banking"),  
  sales_person_emp_id int not null,  
  sale_price float not null,  
  foreign key(car_id) references inventory(car_id),  
  foreign key(cust_id) references customer(cust_id),  
  foreign key(sales_person_emp_id) references employee(emp_id));
```

```
select * from sale;
```

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The screenshot displays a MySQL IDE interface with two tabs: 'carshowroom' and 'carshowroom*'. The 'carshowroom' tab is active, showing a series of SQL queries. The 'carshowroom*' tab shows the same queries with additional foreign key constraints.

carshowroom tab queries:

```
1 • create database carshowroom;
2 • use carshowroom;
3
4 • create table inventory(
5     car_id int primary key,
6     car_name varchar(20) not null,
7     price float not null,
8     model varchar(10) not null,
9     year_of_manu int not null,
10    fuel_type set("petrol","CNG","Diesel","LPG","EV"));
11
12 • select * from inventory;
13
14 • create table customer(
15     cust_id int primary key,
16     cust_name varchar(20) not null,
17     cust_add varchar(50) not null,
18     phone varchar(10) unique not null,
19     email varchar(50) not null);
20
21 • select * from customer;
```

carshowroom* tab queries:

```
24 • create table employee(
25     emp_id int primary key auto_increment,
26     emp_name varchar(20),
27     dob date,
28     doj date,
29     desig varchar(20),
30     salary float not null);
31 • select * from employee;
32
33 • create table sale(
34     invoice_no int primary key,
35     car_id int not null,
36     cust_id int not null,
37     sale_date date,
38     payment_mode set("cash","UPI","cheque","Net banking"),
39     sales_person_emp_id int not null,
40     sale_price float not null,
41     foreign key(car_id) references inventory(car_id),
42     foreign key(cust_id) references customer(cust_id),
43     foreign key(sales_person_emp_id) references employee(emp_id));
44
```

Output:

#	Time	Action	Message
29	20:50:14	create table sale(invoice_no int primary key, car_id int not null, cust_id int not null, sale_date d...	0 row(s) affected
30	20:50:18	select * from sale LIMIT 0 1000	0 row(s) returned

The 'carshowroom*' tab shows the same queries with additional foreign key constraints. The output for the 'create table sale' query is 0 row(s) affected, and the output for the 'select * from sale' query is 0 row(s) returned.