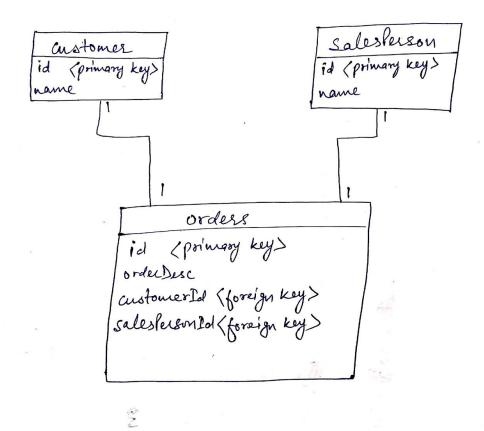
1. Create Database

2. Design Schema



		nil	esh@Ni	lesh-Kumar: ~		_	×
File Edit View Sea	arch Terminal	Help					
mysql> desc order	rs;						
Field	Туре	Null	Key	Default			
id orderDesc customerId salesPersonId	int(11) text int(11) int(11)	NO YES NO NO	PRI MUL MUL	NULL NULL NULL NULL	auto_increment		
4 rows in set (0. mysql> ■	.00 sec)						1

	nilesh@Nilesh-Kumar: ~							×
File Edit	View Search Te	rminal H	elp					
mysql> de	esc customer;							
Field	Туре	Null	Key	Default	Extra			
id id name	int(11) varchar(20)	NO NO	PRI	NULL NULL	auto_increment			
2 rows in	n set (0.00 sed)						
mysql>								
			niles	h@Nilesh-Kun	nar: ~		_	X
File Edit	View Search Te	rminal H		h@Nilesh-Kun	nar: ~		-	×
	View Search Te			h@Nilesh-Kun	nar: ~		-	×
mysql> de	esc salesPersor	1; +	elp	h@Nilesh-Kum			_	×
mysql> de + Field + id	esc salesPersor	1; +	elp				_	×
mysql> de + Field + id name +	esc salesPersor Type int(11)	n; Null NO NO	elp Key	Default	Extra		_	×

3. Create tables

```
nilesh@Nilesh-Kumar: ~
                                                         File Edit View Search Terminal Help
mvsql> use sales:
Database changed
mysql> create table salesPerson(
    -> id int primary key auto_increment,
    -> name varchar(20) not null
    -> );
Query OK, 0 rows affected (0.04 sec)
mysql> create table customer(
    -> id int primary key auto_increment,
    -> name varchar(20) not null
    -> );
Query OK, 0 rows affected (0.04 sec)
mysql>
```

Insert sample data

mysql>

```
nilesh@Nilesh-Kumar: ~
                                                           _ _
                                                                    X
 File Edit View Search Terminal Help
mysql> insert into salesPerson (name) values ("a"), ("b"), ("
c");
Query OK, 3 rows affected (0.01 sec)
Records: 3 Duplicates: 0 Warnings: 0
mysql> insert into customer (name) values ("d"), ("e"), ("f")
Query OK, 3 rows affected (0.02 sec)
Records: 3 Duplicates: 0 Warnings: 0
mysql>
                         nilesh@Nilesh-Kumar: ~
 File Edit View Search Terminal Help
mysql> insert into salesPerson (name) values ("x");
Query OK, 1 row affected (0.02 sec)
mysql> insert into orders (orderDesc, customerId, salesPerson
Id) values ("order7", 2, 4);
Query OK, 1 row affected (0.01 sec)
mysql>
                         nilesh@Nilesh-Kumar: ~
                                                                    X
                                                                File Edit View Search Terminal Help
mysql> insert into orders (orderDesc, customerId, salesPerson
Id)
    -> values ("order1", 1, 3),
    -> ("order3", 2, 1),
-> ("order4", 2, 2),
    -> ("order6", 3, 3)
Query OK, 6 rows affected (0.01 sec)
Records: 6 Duplicates: 0 Warnings: 0
```

5. Find the sales person have multiple orders.

Only salesPerson x has one order, hence not listed.

6. Find the all sales person details along with order details

```
nilesh@Nilesh-Kumar: ~
                                                          ×
File Edit View Search Terminal Help
mysql> select sp.id, ord.id, ord.orderDesc
    -> from salesPerson sp
    -> join orders ord on ord.salesPersonId = sp.id;
       id
  id
            orderDesc
            order3
            order5
            order2
            order4
            order1
            order6
            order7
 rows in set (0.00 sec)
mysql>
```

7. Create index

```
nilesh@Nilesh-Kumar:~ — □ ×

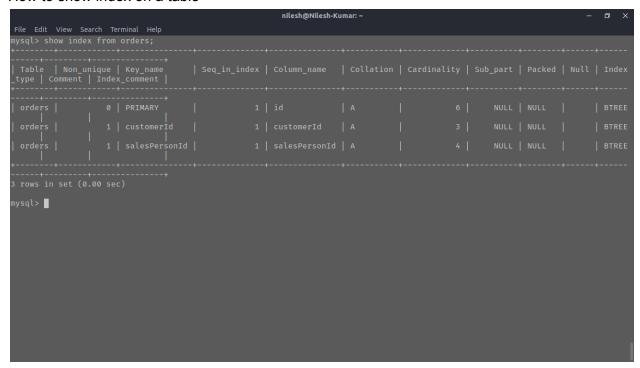
File Edit View Search Terminal Help

mysql> alter table orders
    -> add index customerId(customerId);
Query OK, 0 rows affected (0.05 sec)
Records: 0 Duplicates: 0 Warnings: 0

mysql> alter table orders
    -> add index salesPersonId(salesPersonId);
Query OK, 0 rows affected (0.04 sec)
Records: 0 Duplicates: 0 Warnings: 0

mysql> ■
```

8. How to show index on a table



9. Find the order number, sale person name, along with the customer to whom that order belongs to

