**DATABASES SESSION DATED 5 FEB 2020**

**SHIVAM AGARWAL(JVM)**

**Q1. Create Database**

**Create database <database-name>**

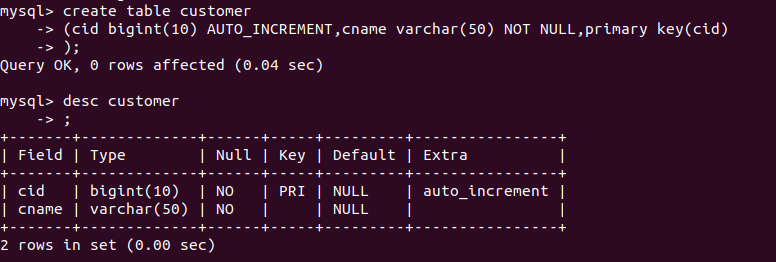
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**Q2. Design Schema**

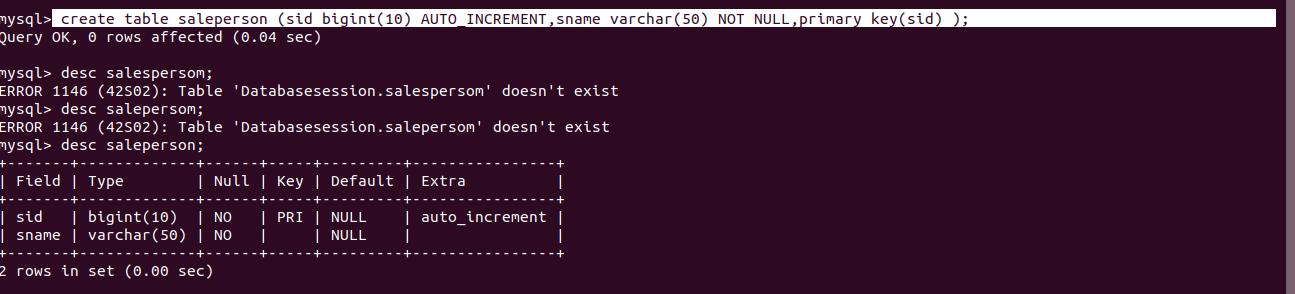
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**Q2. Create tables**

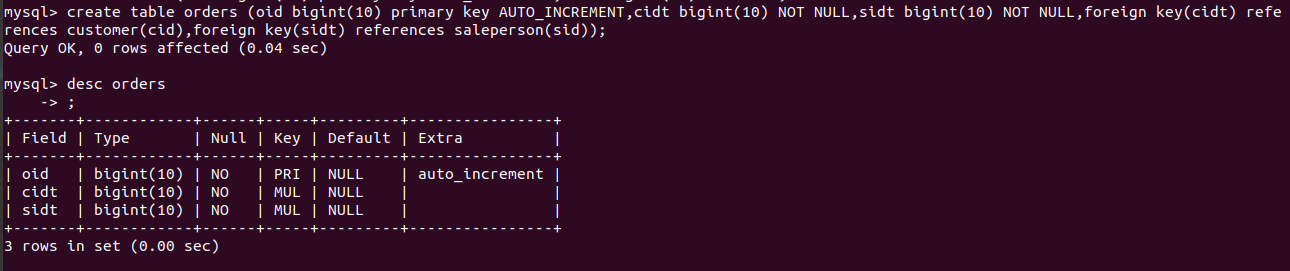
**create table customer(cid bigint(10) AUTO\_INCREMENT,cname varchar(50) NOT NULL,primary key(cid));**

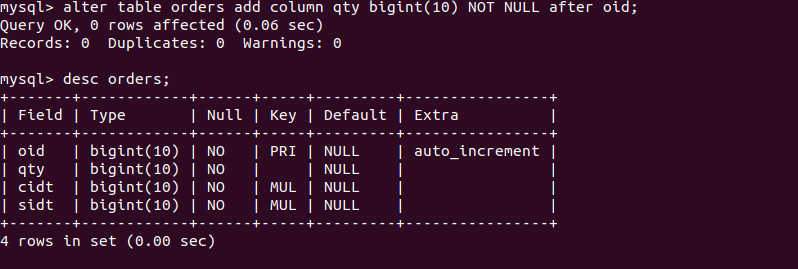
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**create table customer(cid bigint(10) AUTO\_INCREMENT,cname varchar(50) NOT NULL,primary key(cid));**

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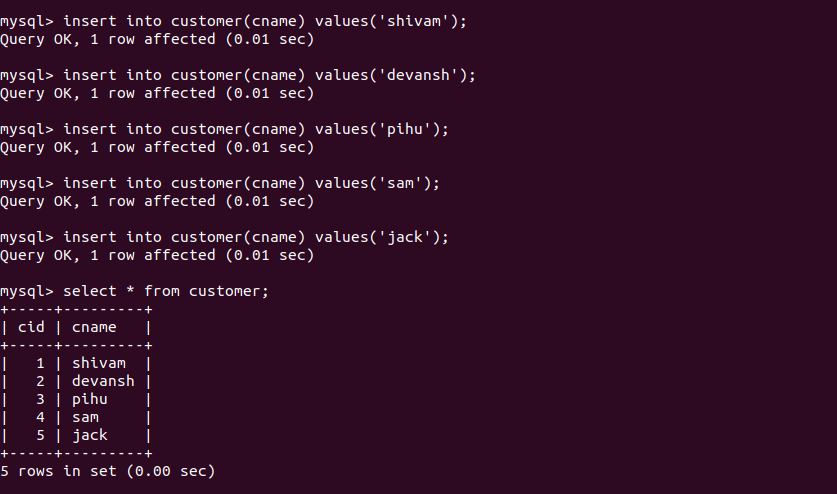
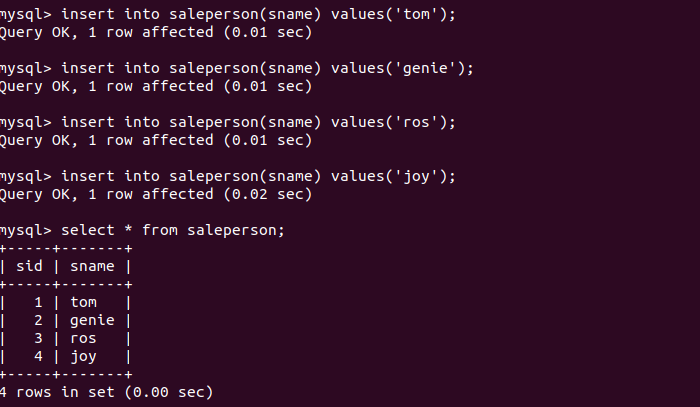
**create table orders (oid bigint(10) primary key AUTO\_INCREMENT,cidt bigint(10) NOT NULL,sidt bigint(10) NOT NULL,foreign key(cidt) references customer(cid),foreign key(sidt) references saleperson(sid));**

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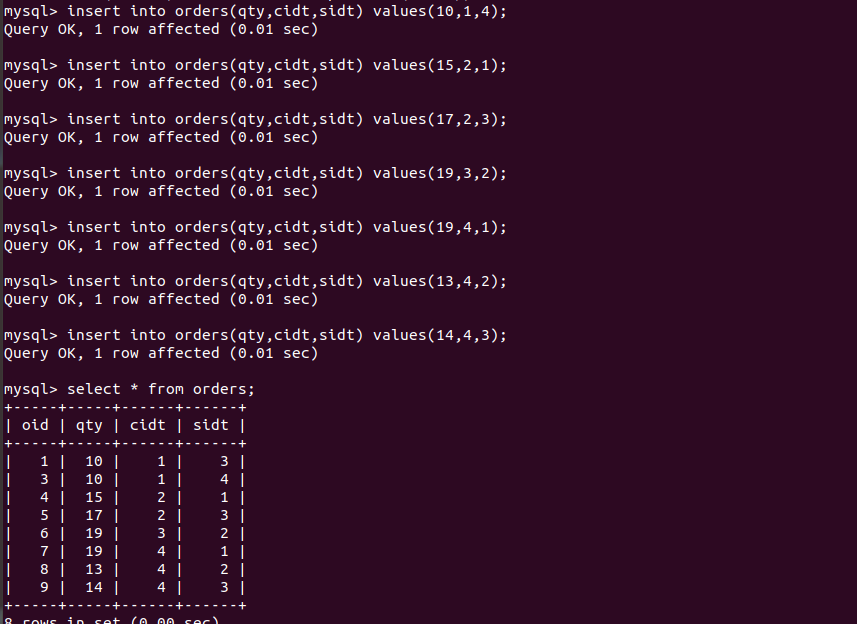
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**Q3. Insert sample data**

**Q4. Inserting in saleperson and customer table--**

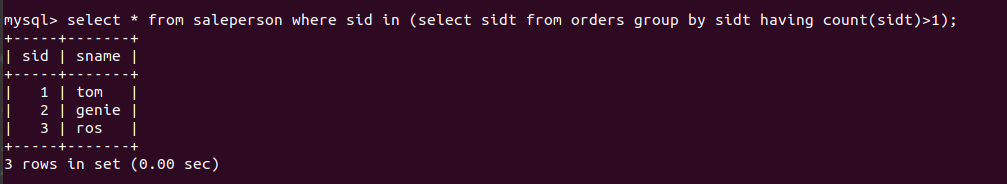
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**Inserting in orders table--**

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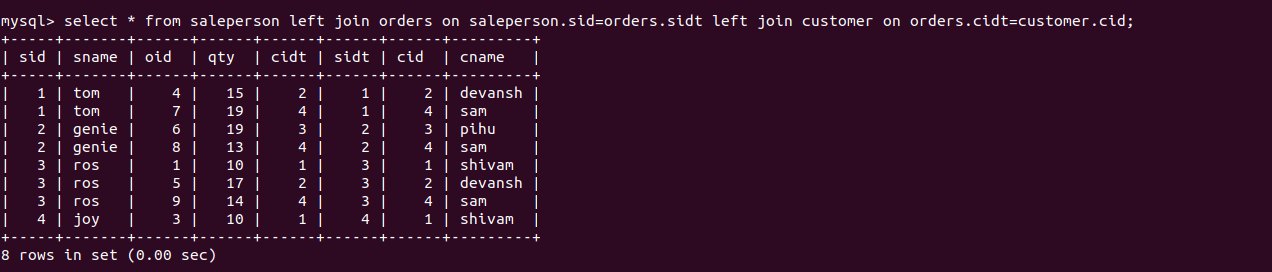
**Q4.Find the sales person have multiple orders.**

**select \* from saleperson where sid in (select sidt from orders group by sidt having count(sidt)>1);**

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**Q5. Find the all sales person details along with order details.**

**select \* from saleperson left join orders on saleperson.sid=orders.sidt left join customer on orders.cidt=customer.cid;**

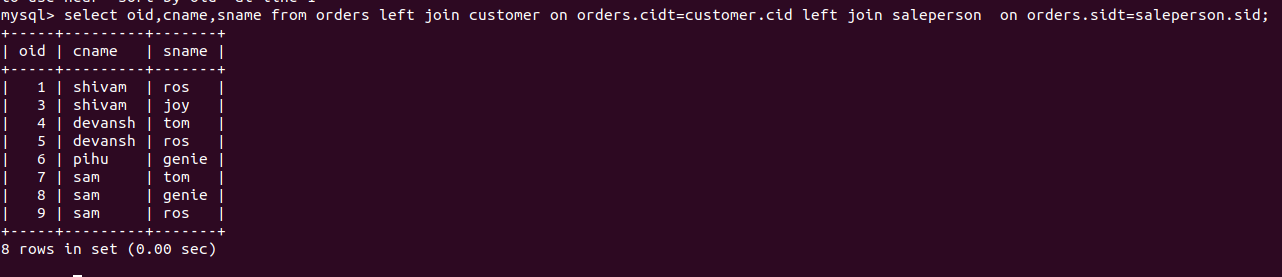
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**Q6.Create index**

**Q7.How to show index on a table**

**Q8.Find the order number, sale person name, along with the customer to whom that order belongs to.**

**select oid,cname,sname from orders left join customer on orders.cidt=customer.cid left join saleperson on orders.sidt=saleperson.sid;**

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