create database p2;

use p2;

create table salesman(salesman\_id int, name varchar(20), city varchar(20), commission varchar(20), primary key(salesman\_id));

create table customer(customer\_id int, cust\_name varchar(20), city varchar(20), grade int, primary key(customer\_id), salesman\_id int, foreign key(salesman\_id) references salesman(salesman\_id) on delete set null);

create table orders(ord\_no int, purchase\_amt int, ord\_date date, primary key (ord\_no), cust\_id int not null, foreign key(cust\_id) references customer(customer\_id) on delete cascade, salesman\_id int not null, foreign key(salesman\_id) references salesman(salesman\_id) on delete cascade);

insert into salesman values(1000, 'Balaji', 'Bangalore', '25%');

insert into salesman values(1001, 'Karthik', 'Chennai', '20%');

insert into salesman values(1002, 'Ashok', 'Mysore', '15%');

insert into salesman values(1003, 'Rishok', 'Bangalore', '20%');

insert into salesman values(1004, 'Ravi', 'Delhi', '45%');

select \* from salesman;

insert into customer values(20, 'Theja', 'Bangalore', 200, 1000);

insert into customer values(21, 'Kreethika', 'Mangalore', 300,1000);

insert into customer values(22, 'Bhavya', 'Bangalore', 400, 1001);

insert into customer values(23, 'Pavan', 'Chennai', 500, 1001);

insert into customer values(24, 'Krishna', 'Bangalore', 600,1003);

select \* from customer;

insert into orders values(60, 4000, '2020-01-10', 20, 1000);

insert into orders values(61,1000,'2020-02-02',20,1001);

insert into orders values(62, 2000, '2020-03-04',22,1001);

insert into orders values(63,4500,'2020-05-07',23,1001);

insert into orders values(64,2500,'2020-06-10',21,1003);

select \* from orders;

select grade, count(distinct customer\_id) from customer group by grade having grade >(select avg(grade) from customer where city ='Bangalore');

select salesman\_id, name from salesman a where 1< (select count(\*) from customer where salesman\_id = a.salesman\_id);

select salesman.salesman\_id, name, cust\_name, commission from salesman,customer where salesman.city =customer.city union select salesman\_id, name, 'no match', commission from salesman where not city = any(select city from customer);

create view elitesalesman as select b.ord\_date, a.salesman\_id, a.name from salesman a, orders b where a.salesman\_id=b.salesman\_id and b.purchase\_amt=(select max(purchase\_amt) from orders c where c.ord\_date = b.ord\_date);

select \* from elitesalesman;

delete from salesman where salesman\_id=1000;

select \* from salesman;

select \* from customer;

select \* from orders;