**LAB PROGRAM 6(ORDER DATABASE) NAME:TARUN SRIRAM DAMMU**

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**QUERIES**

create database orderdb;

use orderdb;

create table salesman (

salesman\_id int(4),

name varchar (20),

city varchar (20),

commission varchar (20),

primary key (salesman\_id)

);

desc salesman;

create table customer1 (

customer\_id int(4),

cust\_name varchar (20),

city varchar (20),

grade int (3),

salesman\_id int(4),

primary key (customer\_id),

foreign key (salesman\_id) references salesman(salesman\_id) on delete set null

);

desc customer1;

create table orders (

ord\_no int (5),

purchase\_amt int (10),

ord\_date date,

customer\_id int(4),

salesman\_id int(4),

primary key (ord\_no),

foreign key (customer\_id) references customer1 (customer\_id) on delete cascade,

foreign key (salesman\_id) references salesman (salesman\_id) on delete cascade

);

desc orders;

insert into salesman values (1000, 'john','bangalore','25 %');

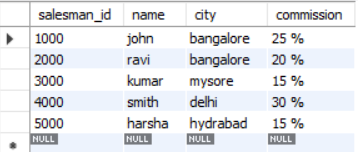
insert into salesman values (2000, 'ravi','bangalore','20 %');

insert into salesman values (3000, 'kumar','mysore','15 %');

insert into salesman values (4000, 'smith','delhi','30 %');

insert into salesman values (5000, 'harsha','hydrabad','15 %');

select \* from salesman;



insert into customer1 values (10, 'preethi','bangalore', 100, 1000);

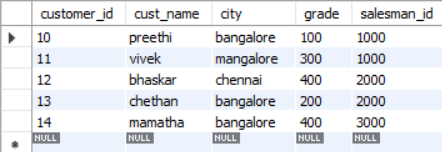
insert into customer1 values (11,'vivek','mangalore', 300, 1000);

insert into customer1 values (12, 'bhaskar','chennai', 400, 2000);

insert into customer1 values (13, 'chethan','bangalore', 200, 2000);

insert into customer1 values (14, 'mamatha','bangalore', 400, 3000);

select \* from customer1;



insert into orders values (50, 5000, '04-06-17', 10, 1000);

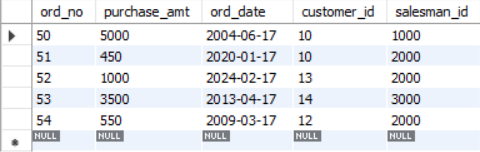
insert into orders values (51, 450, '20-01-17', 10, 2000);

insert into orders values (52, 1000, '24-02-17', 13, 2000);

insert into orders values (53, 3500, '13-04-17', 14, 3000);

insert into orders values (54, 550, '09-03-17', 12, 2000);

select \* from orders;



-- Query 1

select grade, count(distinct customer\_id)

from customer1

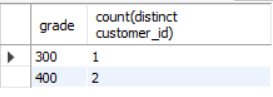
group by grade

having grade > (select avg(grade)

from customer1

where city='bangalore'

);



-- Query 2

select salesman\_id, name

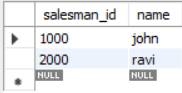
from salesman a

where 1 < (select count(\*)

from customer1

where salesman\_id=a.salesman\_id

);



-- Query 3

select salesman.salesman\_id, name, cust\_name, commission

from salesman, customer1

where salesman.city = customer1.city

union

select salesman\_id, name, 'no match', commission

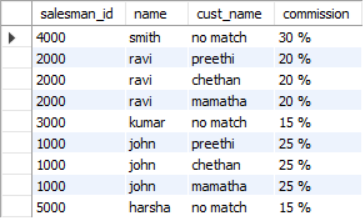
from salesman

where not city = any

(select city

from customer1)

order by 2 desc;



-- Query 4

create view highsalesman as

select b.ord\_date, a.salesman\_id, a.name

from salesman a, orders b

where a.salesman\_id = b.salesman\_id

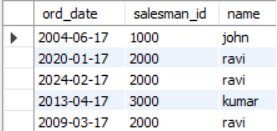
and b.purchase\_amt=(select max(purchase\_amt)

from orders c

where c.ord\_date = b.ord\_date

);

select \* from highsalesman;

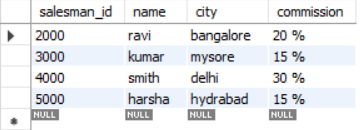


-- Query 5

delete from salesman

where salesman\_id=1000;

select \* from salesman;



select \* from orders;

