Lab-6

Order database

**Code:**

create database order\_dab;

use order\_dab;

create table Salesman

(salesman\_id int primary key not null,

name varchar(25),

city varchar(25),

commission real);

create table Customer

(customer\_id int primary key not null,

cust\_name varchar(25),

city varchar(25),

grade int,

salesman\_id int,

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

create table Orders(

order\_no int,

purchase\_amt real,

ord\_date date,

customer\_id int,

salesman\_id int,

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

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

insert into salesman values

(1000,"JHON","BANGALORE",25),

(2000,"RAVI","BANGALORE",20),

(3000,"KUMAR","MYSORE",15),

(4000,"SMITH","DELHI",30),

(5000,"HARSHA","HYDRABAD",15);

insert into Customer values

(10,"PREETHI","BANGALORE",100,1000),

(11,"VIVEK","MANGALORE",300,1000),

(12,"BHASKAR","CHENNAI",400,2000),

(13,"CHETHAN","BANGALORE",200,2000),

(14,"MAMATHA","BANGALORE",400,3000);

insert into Orders values

(50,5000,"2017-05-04",10,1000),

(51,450,"2017-01-20",10,2000),

(52,1000,"2017-02-24",13,2000),

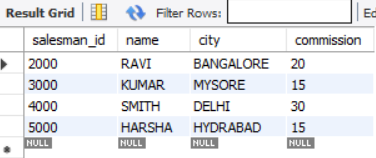
(53,3500,"2017-04-13",14,3000),

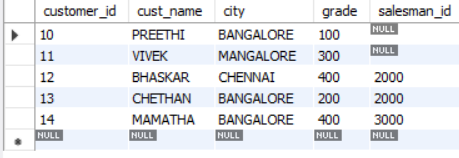
(54,550,"2017-03-09",12,2000);

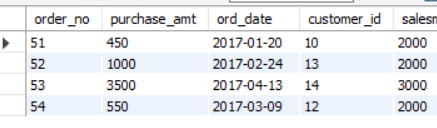
select \* from salesman;

select \*from customer;

select \* from orders;

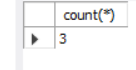






**1.** select count(\*) from Customer

where grade>(select avg(grade) from Customer where city="BANGALORE");



**2.**

select s.salesman\_id,s.name from Salesman s,Customer c

where

s.salesman\_id=c.salesman\_id

group by c.salesman\_id

having count(\*)>1;



**3**.

SELECT s.salesman\_id, name, cust\_name, commission

FROM Salesman s, Customer c

WHERE s.city = c.city

UNION

SELECT salesman\_id, name, 'NO MATCH', commission

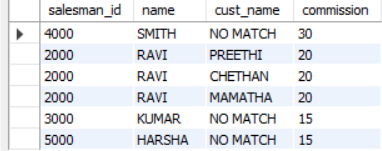
FROM Salesman

WHERE NOT city = ANY

(SELECT city

FROM Customer)

ORDER BY 2 DESC;



**4.**

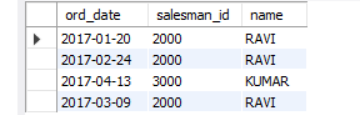
create view HighestOrder as

select o.ord\_date,s.salesman\_id,s.name from Salesman s,Orders o

where s.salesman\_id=o.salesman\_id and

o.purchase\_amt= (select max(purchase\_amt) from Orders where ord\_date=o.ord\_date);

select \* from HighestOrder;



**5.**

delete from Salesman where salesman\_id=1000;

select \* from Salesman;

select \* from Orders;

select \* from Customer;

