LAB-6 - ORDER DATABASE
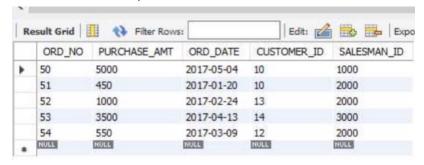
```
create database order;
use order;

create table salesman (
        salesman_id int,
        name varchar (20),
        city varchar (20),
        commission varchar (20),
        primary key (salesman_id));
desc salesman;

create table customer (
        customer_id int,
        cust_name varchar (20),
        city varchar (20),
        grade int ,
    salesman_id int,
        primary key (customer_id),
        foreign key (salesman_id) references salesman(salesman_id) on delete set null);
desc customer;

create table orders (
        ord_no int ,
        purchase_amt int,
        ord_date date,
    customer_id int,
        salesman_id int,
        primary key (ord_no),
        foreign key (customer_id) references customer (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','hyderabad','15 %');
select * from salesman;
```

Result Grid | Filter Rows: | Edit:

	SALESMAN_ID	NAME	CITY	COMMISSION
▶	1000	JOHN	BANGALORE	25 %
	2000	RAVI	BANGALORE	20 %
	3000	KUMAR	MYSORE	15 %
	4000	SMITH	DELHI	30 %
	5000	HARSHA	HYDERBAD	15 %

insert into customer values (10, 'preethi','bangalore', 100, 1000);
insert into customer values (11,'vivek','mangalore', 300, 1000);
insert into customer values (12, 'bhaskar','chennai', 400, 2000);
insert into customer values (13, 'chethan','bangalore', 200, 2000);
insert into customer values (14, 'mamatha','bangalore', 400, 3000);
select * from customer;

Result Grid | Filter Rows: | Edit: | Export/Imp

	CUSTOMER_ID	CUST_NAME	CITY	GRADE	SALESMAN_ID
▶	10	PREETHI	BANGALORE	100	NULL
	11	VIVEK	MANGALORE	300	NULL
	12	BHASKAR	CHENNAI	400	2000
	13	CHETHAN	BANGALORE	200	2000
	14	MAMATHA	BANGALORE	400	3000
*	NULL	NULL	NULL	NULL	NULL

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;

Result Grid | Filter Rows: | Edit: | Expo

	ORD_NO	PURCHASE_AMT	ORD_DATE	CUSTOMER_ID	SALESMAN_ID
▶	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
*	NULL	NULL	NULL	NULL	NULL

SELECT grade, count(DISTINCT customer_id)
FROM customer
GROUP BY grade
HAVING grade > (SELECT AVG(grade)
FROM customer
WHERE city='bangalore');

GRADE	COUNT(DISTINCT CUSTOMER_ID)
300	1
400	2

```
SELECT salesman_id, NAME
FROM salesman a
WHERE 1 < (SELECT count(*)
FROM customer
WHERE salesman_id=a.salesman_id);
```

SALESMAN_ID	NAME
2000	RAVI
NULL	NULL

```
SELECT salesman.salesman_id, NAME, cust_name, commission
FROM salesman, customer
WHERE salesman.city = customer.city
UNION
SELECT salesman_id, name, 'no customer', commission
FROM salesman
WHERE NOT city = ANY
(SELECT city
FROM customer)
ORDER BY 2 DESC;
```

SALESMAN_ID	NAME	CUST_NAME	COMMISSION
4000	SMITH	NO MATCH	30 %
2000	RAVI	PREETHI	20 %
2000	RAVI	CHETHAN	20 %
2000	RAVI	MAMATHA	20 %
3000	KUMAR	NO MATCH	15 %
1000	JOHN	PREETHI	25 %
1000	JOHN	CHETHAN	25 %
1000	JOHN	MAMATHA	25 %
5000	HARSHA	NO MATCH	15 %

```
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 elitsalesman;

ORD_DATE	SALESMAN_ID	NAME
2017-05-04	1000	JOHN
2017-01-20	2000	RAVI
2017-02-24	2000	RAVI
2017-04-13	3000	KUMAR
2017-03-09	2000	RAVI

DELETE FROM salesman
WHERE salesman_id=1000;
SELECT * FROM salesman;
SELECT * FROM orders;

SALESMAN_ID	NAME	CITY	COMMISSION
2000	RAVI	BANGALORE	20 %
3000	KUMAR	MYSORE	15 %
4000	SMITH	DELHI	30 %
5000	HARSHA	HYDERBAD	15 %
NULL	NULL	NULL	NULL