PRACTICAL 1

```
create table salesman(
    -> salesnam_id int primary key,
    -> name varchar(50),
    -> city varchar(50),
    -> commission decimal(4,2));

create table customer(
    -> customer_id int primary key,
    -> customer_name varchar(50),
    -> city varchar(50),
    -> grade int,
    -> salesnam_id int,
    -> foreign key(salesnam_id) references salesman(salesnam_id));

create table orders(
    -> order_no int primary key,
    -> purch_amt decimal(10,2),
    -> order_date date,
    -> customer_id int,
    -> salesnam_id int,
    -> foreign key (customer_id)references customer(customer_id),
    -> foreign key (salesnam_id)references salesman(salesnam_id));

insert into salesman(salesnam_id, name,city, commission) values
    -> (5001,'james hoog','new york',0.15),
    -> (5002, ' nail knite', 'paris', 0.13),
    -> (5005, 'pit alex','london',0.11),
    -> (5006, 'mc lyon','paris',0.14),
    -> (5003, 'lauson hen',' ',0.12),
    -> (5007,'paul adan','rome',0.13);
```

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```
INSERT INTO customer (customer_id, customer_name, city, grade, salesnam_id) VALUES
   -> (3002, 'Nick Rimando', 'New York', 100, 5001),
   -> (3005, 'Graham zusi' , 'california' , 200, 5002),
   -> (3001, 'Brad Guzan', 'london', null,null),
   -> (3004, 'Fabian John', 'Paris', 300, 5006),
   -> (3007, 'Brad Davis', 'New York', 200, 5001),
   -> (3009, 'Geoff Camero', 'Berlin', 100,null ),
   -> (3003, 'Joey Altidore', 'Moscow', 200, 5007),
   -> (3008, 'Julian Green', 'London', 300, 5002);

INSERT INTO orders (order_no, purch_amt, order_date, customer_id, salesnam_id) VALUES
   -> (70001, 150.50, '2016-10-05', 3005, 5002),
   -> (70009, 270.65, '2016-09-10', 3001, null),
   -> (70002, 65.26, '2016-10-05', 3002, 5001),
   -> (70004, 110.5, '2016-08-17', 3009, null),
   -> (70007, 948.5, '2016-09-10', 3005, 5002),
   -> (70005, 2400.6, '2016-07-27', 3007, 5001),
   -> (70008, 5760, '2016-09-10', 3002, 5001),
   -> (70010, 1983.43, '2016-10-10', 3004, 5006),
   -> (70003, 2480.4,'2016-10-10',3009, null),
   -> (70012, 250.45,'2016-06-27',3008,5002),
   -> (70011, 75.29,'2016-08-17', 3003, 5007);
```

Q1. Display name and commission for all the salesmen.

```
SELECT name, commission FROM salesman;
```

Q2. Retrieve salesman id of all salesmen from orders table without any repeats.

```
SELECT DISTINCT salesnam_id FROM orders;
```

Q3. Display names and city of salesman, who belongs to the city of Paris.

```
SELECT name, city FROM salesman WHERE city = 'Paris';
```

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Q4. Display all the information for those customers with a grade of 200.

```
SELECT * FROM customer WHERE grade = 200;
```

Q5. Display the order number, order date and the purchase amount for order(s) which will be delivered by the salesman with ID 5001

```
SELECT order_no, order_date, purch_amt from orders where salesnam_id=5001;
```

Q6. Display all the customers, who are either belongs to the city New York or not had a grade above 100.

```
SELECT * FROM customer WHERE city = 'New York' OR grade <= 100;
```

Q7. Find those salesmen with all information who gets the commission within a range of 0.12 and 0.14.

```
SELECT * FROM salesman WHERE commission BETWEEN 0.12 AND 0.14;
```

Q8. Find all those customers with all information whose names are ending with the letter 'n'.

```
SELECT * FROM customer WHERE customer_name LIKE '%n';
```

Q15. Find those salesmen with all information whose name containing the 1st character is 'N' and the 4th character is 'l' and rests may be any character.

```
SELECT * FROM salesman WHERE name LIKE '_n__l%';
```

Q16. Find that customer with all information who does not get any grade except NULL.

```
SELECT * FROM customer WHERE grade IS NULL;
```