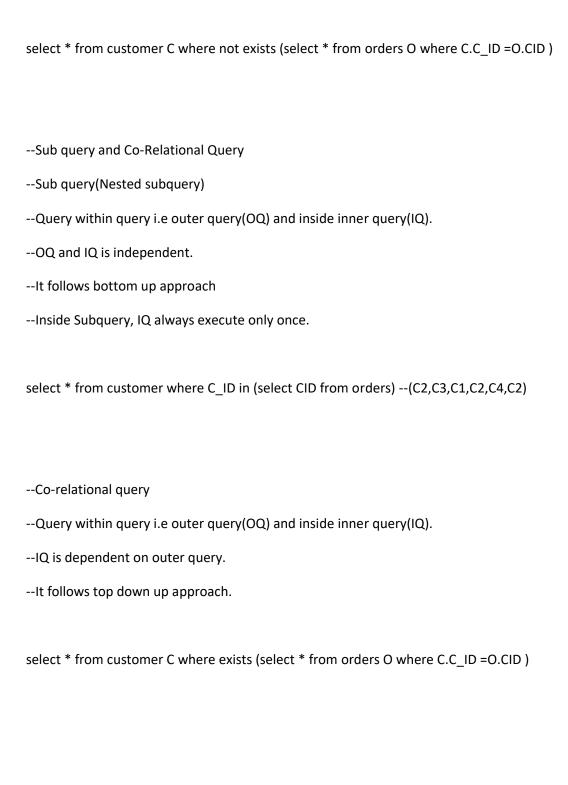
Sub query

Sub query (Nested sub query)
Query within query i.e. outer query (OQ) and inside inner query (IQ).
OQ and IQ are independent.
It follows bottom up approach
Inside Sub query, IQ always execute only once.
select * from persons where eid <(select Max(eid)from persons);
select max(eid) from persons where eid <(select Max(eid)from persons);
select max(eid) from persons where eid< (select max(eid) from persons where eid <(select Max(eid)from persons));
Q. Find out 4 th max Salary.
Q. Find Out 3 rd Min Salary.
Q. Display Salary except (50000,55000,65000,70000) from table using sub query.
Exist and Not Exist
EXIST is used to check whether the result of co-related nested query is empty or not.
Exist(S)
TRUE: S has atleast one row/record
FALSE : S has no row/record.
NOT EXIST(S)
TRUE:S has no row/record.
FALSE :S has atleast one row/record

```
insert into customer values('C1','AMIT','PUNE')
insert into customer values('C2','Sumit','Delhi')
insert into customer values('C3','varun','Mumbai')
insert into customer values('C4','snehal','Latur')
insert into customer values('C5','Raj','Sangli')
insert into customer values('C6','Mohit','Satara')
select * from customer
create table orders(OID int primary key, CID varchar(5), groceries varchar(20))
insert into orders values(1,'C2','almonds')
insert into orders values(2,'C3','deo')
insert into orders values(3,'C1','milk')
insert into orders values(4,'C2','soap')
insert into orders values(5,'C4','dishes')
insert into orders values(6,'C2','rice')
select * from orders
select * from customer C where exists (select * from orders O where C.C_ID = O.CID )
```



DDL(Data defination language)
Rename
alter table employee RENAME To Employee_details it will work in SQL devloper or MySql or PostgreySql
Inside in SQL server we can rename the column names by using internal store procedure i.e. SP_RENAME.
Syntax: SP_RENAME Tablename.OLDCOLUMN_NAME,NEWCOLUMN_NAME
select * from employee
sp_rename 'Info_3.dept','department'