1)

create table transact(custid smallint,amount int,ttype varchar(10))

insert into transact values

(1,100,'credit'),

(1,200,'debit'),

(1,300,'credit'),

(2,400,'debit'),

(2,500,'credit')

select \* from transact

with cte8 as(select distinct custid,sum(amount) over(partition by custid,ttype) as bal from transact),

cte9 as (select c1.custid,c1.bal-c2.bal as balance from cte8 c1 join cte8 c2 on c1.custid=c2.custid)

select \* from cte9 where balance>0

2)

create table typed(id varchar(10),name varchar(20))

insert into typed values

(110000,'type1'),

(110100,'type2'),

(110001,'abc'),

(110102,'xyz')

with cte1 as(select \* from typed where id like '\_\_\_\_00'),

cte2 as (select a.\* from typed a)

select a2.id,a1.name from cte1 a1 join cte2 a2 on left(a1.id,4)=left(a2.id,4)

3)

alter procedure usp\_emp\_hierarchy(@empid int) as

begin

set nocount on

set quoted\_identifier on

set ansi\_nulls on

declare @var int

set @var=@empid

if(@empid is null)

begin

print 'Enter valid id'

return

end

declare @count int

set @count=(select count(\*) from Employee\_Proc where empid=@var)

if(@count=0)

begin

print 'No Employee exists with this id'

return

end

if((select mgrid from Employee\_Proc where empid=@var) is null)

begin

print 'He is the top most person'

return

end

while(@var is not null)

begin

declare @temp int

set @temp=(select empid from Employee\_Proc where empid=@var)

print @temp

set @var=(select mgrid from Employee\_Proc where empid=@var)

end

end

go