**T-SQL :**(Transact Structured Query Langage) est un langage de communication avec une base de données relationnelle SQL Server.

-- Affectation

set @j=4

select @str=‘GI'

-- Affectation multiple

- select @i=3,@j=4,@str=‘GI' est correcte

- Mais set @i=3, @j=4, @str=‘GI' est une affectation incorrecte.

-- Bloc Instruction

Begin

-instruction(1)

-instruction(2)

end

-- Insert

Insert into agence values('')

-- Delete

DELETE FROM @stagiaire WHERE nom='SIDQI'

-- Update

UPDATE @stagiaire set moyenne=15.5 where numInsc=102

-- Relation

create table facturer

(numfact varchar(15) ,

ref varchar(15) ,

qtfact numeric ,

mt numeric,

primary key (numfact,ref),

foreign key (numfact) references facture(numfact),

foreign key (ref) references produit(ref))

-- Declare Variable de type table

Begin

Declare @agence\_copy table

(numag varchar(15) primary key not null,

nomag varchar(15),

adresseag varchar(15),

telag numeric)

insert into @agence\_copy select \* from agence where adresseag = 'Fes'

select \* from @agence\_copy

End

-- Condition if

Declare @a int

set @a= 5

if(@a>4)

begin

print 'HI'

print 'Hi again'

End

-- Condition case 1

Select \*, 'Categories' =

case

when pu < 40 then 'cat1'

when pu < 1000 then 'cat2'

when pu < 2000 then 'cat3'

Else 'cat4'

End

From produit

Order by categories

-- Condition case 2

Select \*, 'Validte' =

case adresseag

when 'casa' then 'Oui'

when 'ksar' then 'Oui'

Else 'Non'

End

From Agence

-- Condition case 3

select client.numclt, client.nomclt, sum(facture.ttc) as total\_achat, 'remise' =

case

when sum(facture.ttc) < 4000 then 0

when sum(facture.ttc) between 4000 and 5000 then sum(facture.ttc) \* 0.3

when sum(facture.ttc) < 10000 then sum(facture.ttc) \* 0.5

else sum(facture.ttc) \* 0.7

end,'Type\_Client' =

case

when sum(facture.ttc) < 1000 then 'Passager'

when sum(facture.ttc) between 1000 and 5000 then 'Potentielle'

else 'Fideil'

end

from client, facture

where client.numclt = facture.numclt

group by client.numclt, client.nomclt

-- LOOP While 1

Declare @moy float, @val int, @i int,@count int

set @moy = (select \* from facture)

set @val = 5000

set @i = 1

set @count = (select count(\*) from facture)

while (@i<@count)

begin

if (@moy < @val)

begin

update facture set tht = tht + tht \* 0.5, tva= tva + tva \* 0.5, ttc = ttc + ttc \* 0.5

end

set @i=@i+1

end

print 'Les facture est bien modifier ' + ltrim(str(@i)) + ' fois'

--Variables Globale

select @@version -- Microsoft SQL Server 2005 - 9.00.3077.00

select @@error

select @@rowcount -- remember last rows shown

select @@fetch\_status

-- procédures stockées simple

Create proc ps\_Fact as

begin

select \* from facture

end

-- calling procedure

Execute ps\_Fact

-- dropping procedure

drop proc ps\_Fact

-- procédures stockées avec des parametre

create proc infoClient(@adr varchar(20)) as

begin

select \* from client where adresseclt = @adr

end

exec infoClient 'ksar'