

## Eléments de Correction

Module

M08 : Bases de données

Filière : TDI

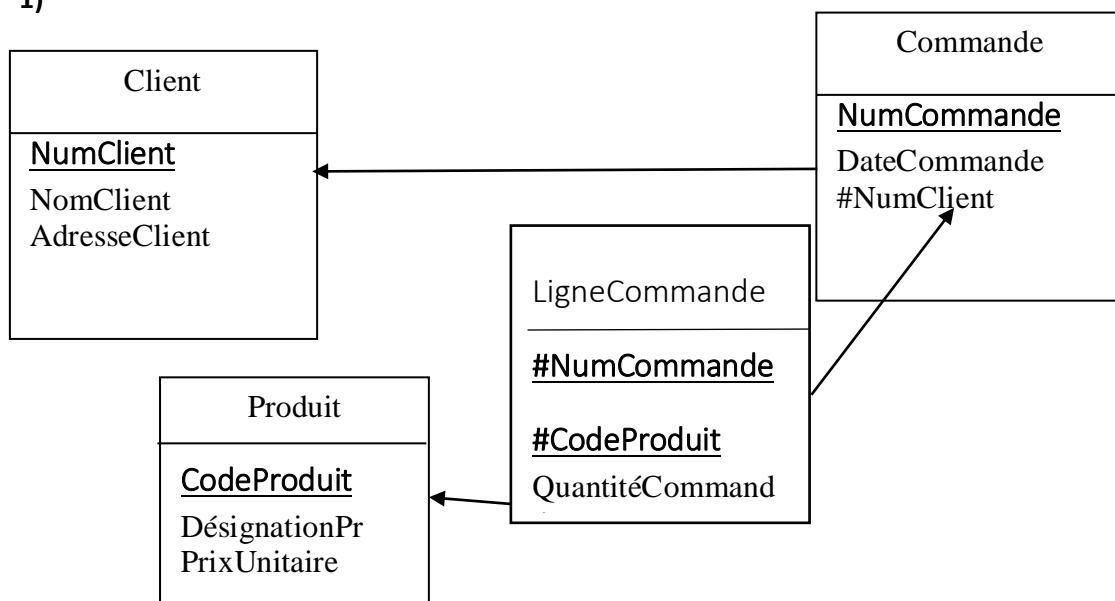
Année : 2<sup>o</sup>A

Durée : 2 Heures

Barème : /20

### Exercice 1 (10pts)

1)



Client(NumClient, NomClient, AdresseClient)

Commande(NumCommande, DateCommande, #NumClient)

Produit(CodeProduit, DésignationPr, PrixUnitaire)

LigneCommande(#NumCommande, #CodeProduit, QuantiteCommande)

2) create database GesCommande

3)

create table Client

(NumClient int Primary key,  
NomClient varchar(200) not null,  
AdresseClient varchar(200) not null  
)

create table Commande

(NumCommande int Primary key,  
DateCommande Date not null,

```
NumClient int foreign key references client(NumClient)
)
```

```
create table Produit
(CodeProduit varchar(100) Primary key,
DesignationPr varchar(200) not null,
PrixUnitaire float not null
)
```

```
create table LigneCommande
(NumCommande int foreign key references Commande(NumCommande),
CodeProduit varchar(100) foreign key references Produit(CodeProduit),
QuantiteCommande int not null,
constraint pk_LigneCmd primary key (NumCommande,CodeProduit)
)
```

4)

```
insert into client values(1, 'Alami', 'Rabat')
insert into commande values(1, '01/02/2017', 1)
insert into Produit values(1, 'Clavier USB', 50)
insert into LigneCommande values(1, 1, 2)
```

### Exercice 2 (10Pts)

1)

```
SELECT dbo.Operation.NumOp, dbo.Operation.MtOp, dbo.Operation.NumCpt,
dbo.Operation.DateOp
FROM dbo.Operation INNER JOIN
    dbo.Compte ON dbo.Operation.NumCpt = dbo.Compte.NumCpt INNER
JOIN
    dbo.Client ON dbo.Compte.NumCli = dbo.Client.NumCli
    where dbo.Client.VilleCli= 'Rabat' and
DateDiff(day, Dateop, GetDate())<=2
```

2)

```
create proc AfficheOp(@Id varchar(100))
as
```

```
    SELECT dbo.Operation.NumOp, dbo.Operation.MtOp,
dbo.Operation.NumCpt, dbo.Operation.DateOp
FROM dbo.Operation INNER JOIN
    dbo.Compte ON dbo.Operation.NumCpt = dbo.Compte.NumCpt INNER
JOIN
    dbo.Client ON dbo.Compte.NumCli = dbo.Client.NumCli where
dbo.Client.NumCli=@Id
```

3)

```

create function NbreOp(@Id varchar(100))
returns int
as
begin
return (SELECT count(dbo.Operation.NumOp)
FROM dbo.Operation INNER JOIN
      dbo.Compte ON dbo.Operation.NumCpt = dbo.Compte.NumCpt INNER
JOIN
      dbo.Client ON dbo.Compte.NumCli = dbo.Client.NumCli where
      dbo.Client.NumCli=@Id)
end

```

4)

```

declare @v varchar(50),@n int
declare NbreClient cursor for select VilleCli From Client group by
VilleCli

open NbreClient
fetch NbreClient into @v
print '*****'
print 'Ville          Nombre De Client'
print '*****'

while(@@FETCH_STATUS=0)
begin
set @n= (select count(*) from client where VilleCli=@v)
print @v + '          '+convert(varchar(50),@n)
fetch NbreClient into @v
end
close NbreClient
deallocate NbreClient

```

5)

```

CREATE TRIGGER CreationCompte ON COMPTE INSTEAD OF INSERT AS
if not exists(select NumCpt from inserted where SoldeCpt <1500) and
not exists (select NumCpt from inserted where Typecpt <>'CC' and Typecpt <>
'CN') and not exists(select inserted.numcli from inserted,compte where
inserted.numcli= compte.numcli and compte.typecpt=inserted.typecpt)
insert into compte select * from inserted

```