

Résumer VB.net mode connecterDeclaration :

```
Imports System.Data.SqlClient
Public Class Form1
```

```
Dim con As New
Dim tab As New DataTable
Dim dr As SqlDataReader
```

Chaine de connexion

```
SqlConnection("database=nom de la base;
server=le nom de serveur ; integrated
security=true")
```

Ou

```
Con =new SqlConnection("Initial Catalog=
nom de la base; Data Source= le nom de
serveur; Integrated Security=true; ")
con.open()
```

Gestion d'exeption

```
Try
...
Catch
CatchMessageBox.Show("message")
End Try
```

➤ Ajouter :Méthode 1 :

```
Dim command As SqlCommand
command = New SqlCommand
command.Connection = con
command.CommandType = CommandType.Text
```

Requête :

```
command.CommandText = "Insert into test
values (" & Me.Txtcode.Text & "," &
Me.Txtnom.Text & "," & Me.Txtprenom.Text
& "')"
command.ExecuteNonQuery()
MsgBox("Bien ajouter!!")
```

Méthode 2 :

```
Dim cmd As New SqlCommand "Insert into
test values (" & Txtcode.Text & "," &
Txtnom.Text & "," & Txtprenom.Text
& "')"
, con)
command.ExecuteNonQuery()
MsgBox("Bien ajouter!!")
```

Remplir datagrid a partir D'une seule table:

```
Dim cmd As New SqlCommand
tab.Clear()
cmd = New SqlCommand("Select* From test ",
con)
dr = cmd.ExecuteReader
tab.Load(dr)
DataGrid1.DataSource = tab
dr.close
con.Close()
```

Remplir datagrid a partir D'une jointure entre plusieurs tables:

```
Dim req As String="select N de
client As [Nclient], Date de
naissance As [Date], Nom+'
'+Prenom As [Nom & Prénom
client], Numero de patente
As [Patente], Etat , from client
C, Entreprise E, Societe S,
where C.Numero de client
=E.Numero de client and E.Numero
de client =S.Numero and ' "
Dim cmd as New
SqlCommand(req,CN)
SqlDataReader
dr=cmd.ExecuteReader( )
Dim T as New DataTable
T.load(dr)
dr.Close()
Datagrid.DataSource=T
```

Remplissage de combobox:

```
Dim cmd As New SqlCommand("select code
from test", con)
Dim dr As SqlDataReader =
cmd.ExecuteReader
While dr.Read
ComboCode.Items.Add(dr(0))
End While
dr.Close()
```

```
ou
Me.combobox.DisplayMember = "Non de
la colonne"
Me.combobox.ValueMember = "cle
primaire de tableau"
combobox.DataSource =
dst.Tables("nom de table" )
```

Afficher le nombres d'enregistrement:

```
Dim cmd As New SqlCommand("select count(*)
from test ", con )
Me.TxtNbr.Text = cmd.ExecuteScalar()
```

Rechercher:

```
Dim cmd As New SqlCommand("select * from
test where code=" & Me.Txtcode.Text & " ",
con)
Dim dr As SqlDataReader =
cmd.ExecuteReader
If dr.Read Then
Me.Txtnom.Text = dr(1)
Me.Txtprenom.Text = dr(2)
Else
MsgBox("Code
introuvable!!", MsgBoxStyle.Exclamation)
End If
dr.Close()
```

Remplir la liste :

```
Dim cmd As New SqlCommand("select Nom,
prenom from test where code=" &
Me.ComboCode.Text & "", con)
Dim dr As SqlDataReader =
cmd.ExecuteReader
Me.ListBox1.Items.Clear()
If dr.Read Then
    Me.ListBox1.Items.Add(" Le
nom est :" + dr(0) + "")
    Me.ListBox1.Items.Add("Le
Prénom est :" + dr(1) + "")
End If
dr.Close()
```

les bouton de navigationPremier :

```
Dim cmd As New SqlCommand("select * from
test", con)
dr = cmd.ExecuteReader

While dr.Read
    Txtcode.Text = dr(0)
    Txtnom.Text = dr(1)
    Txtprenom.Text = dr(2)
Exit While
End While
dr.Close()
con.Close()
```

Dernier :

```
Dim cmd As New
SqlCommand("select * from test ", con)
dr = cmd.ExecuteReader
While dr.Read
    Txtcode.Text = dr(0)
    Txtnom.Text = dr(1)
    Txtprenom.Text = dr(2)
End While
dr.Close()
con.Close()
```

Précédent :

```
Dim cmd As New
SqlCommand("select top 1 * from test where
code < " & Txtcode.Text & " order by code
desc", con)
Dim dr As SqlDataReader
dr = cmd.ExecuteReader
While dr.Read
    Txtcode.Text = dr(0)
    Txtnom.Text = dr(1)
    Txtprenom.Text = dr(2)
Exit While
End While
dr.Close()
con.Close()

End Sub
```

Suivant :

```
Dim cmd As New
SqlCommand("select * from test where code
> " & Txtcode.Text & ", con)
Dim dr As SqlDataReader
dr = cmd.ExecuteReader
While dr.Read
    Txtcode.Text = dr(0)
    Txtnom.Text = dr(1)
    Txtprenom.Text = dr(2)
Exit While
End While
dr.Close()
con.Close()
```

Supprimer

```
If Txtcode.Text = "" Then
    MsgBox("Saisir un num de client")
Exit Sub
Else
Dim cmd As New SqlCommand("delete from
test where code = " & Txtcode.Text, con)
cmd.ExecuteNonQuery()
MessageBox.Show("Suppression a été
effectuee avec succee", "Supprimer",
con.Close()
End If
```

Remplir les zone a partir de datagrid

```
Txtcode.Text =
DataGrid1.CurrentRow.Cells("code").Value
Txtnom.Text =
DataGrid1.CurrentRow.Cells(1).Value
Txtprenom.Text =
DataGrid1.CurrentRow.Cells(2).Value
```

Modifier

```
Dim cmd AsNew SqlCommand("update test set
nom = '" & TextBox2.Text & "' prenom = '" &
TextBox3.Text & "' where code = '" &
TextBox1.Text & "'", con)
cmd.ExecuteNonQuery()
```

Fonction pour incrémenter un Champs

```
Public Function Generer_Code() As
Integer
Dim req As String="select
max(N_Demande) from Demande"
Dim cmd as New
SqlCommand(req,CN)
Return (cmd.ExecuteScalar()+1)
End Function
```