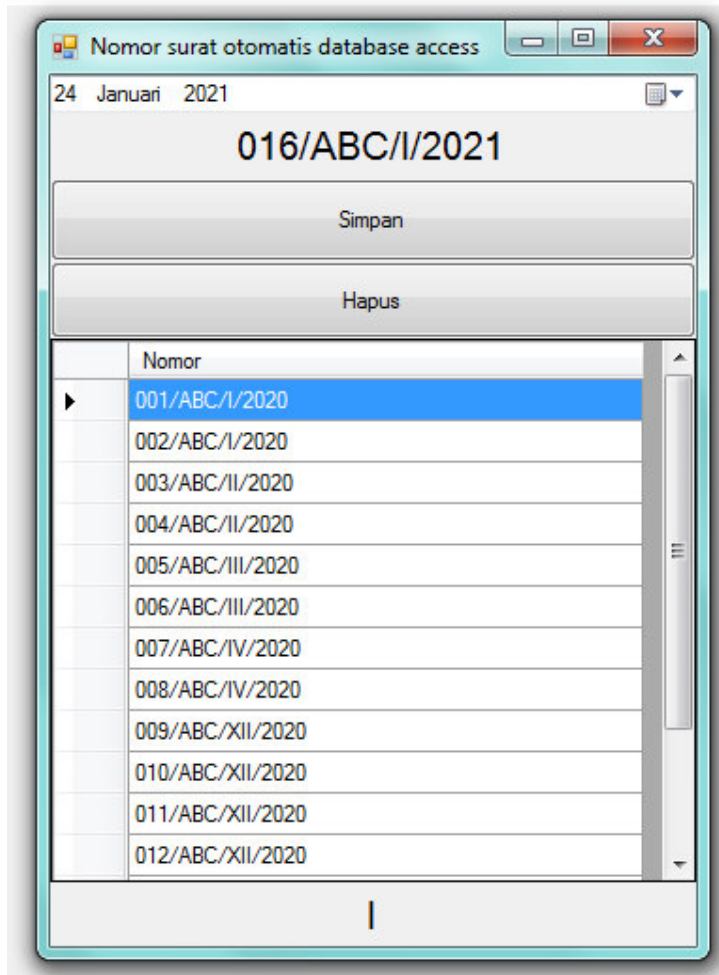


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Database access

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Coding - access

```
Imports System.Data.OleDb
```

```
Public Class frmaccess
```

```
    Dim Conn As OleDbConnection  
    Dim DA As OleDbDataAdapter  
    Dim DS As DataSet  
    Dim CMD As OleDbCommand  
    Dim DR As OleDbDataReader
```

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---

```
Sub Koneksi()  
    Try  
        Conn = New  
OleDbConnection("provider=microsoft.jet.oledb.4.0;data  
source=ajb.mdb")  
        Conn.Open()  
    Catch ex As Exception  
        MsgBox(ex.Message)  
    End  
End Try  
End Sub
```

```
Dim romawi, ketemu As String
```

```
Sub angkaromawi()  
    If Month(Ttanggal.Text) = 1 Then  
        romawi = "I"  
    ElseIf Month(Ttanggal.Text) = 2 Then  
        romawi = "II"  
    ElseIf Month(Ttanggal.Text) = 3 Then  
        romawi = "III"  
    ElseIf Month(Ttanggal.Text) = 4 Then  
        romawi = "IV"  
    ElseIf Month(Ttanggal.Text) = 5 Then  
        romawi = "V"  
    ElseIf Month(Ttanggal.Text) = 6 Then  
        romawi = "VI"  
    ElseIf Month(Ttanggal.Text) = 7 Then  
        romawi = "VII"  
    ElseIf Month(Ttanggal.Text) = 8 Then  
        romawi = "VIII"  
    ElseIf Month(Ttanggal.Text) = 9 Then  
        romawi = "IX"  
    ElseIf Month(Ttanggal.Text) = 10 Then  
        romawi = "X"  
    ElseIf Month(Ttanggal.Text) = 11 Then  
        romawi = "XI"  
    ElseIf Month(Ttanggal.Text) = 12 Then  
        romawi = "XII"  
    End If  
    Tromawi.Text = romawi  
End Sub
```

```
Sub Notis()
```

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```
CMD = New OleDbCommand("select right(nomor,4) &
left(nomor,3) as ketemu from tblnomor order by 1 desc",
Conn)
DR = CMD.ExecuteReader
DR.Read()
If Not DR.HasRows Then
    tnomor.Text = "001/ABC/" + tromawi.Text + "/"
+ Microsoft.VisualBasic.Right(ttanggal.Text, 4)
Else
    tnomor.Text =
Format(Microsoft.VisualBasic.Right(DR.Item("ketemu"), 3)
+ 1, "000") + "/ABC/" + tromawi.Text + "/" +
Microsoft.VisualBasic.Right(ttanggal.Text, 4)
End If
End Sub

Sub TAMPILGRID()
DA = New OleDbDataAdapter("select * from
tblnomor", Conn)
DS = New DataSet
DA.Fill(DS)
dgv.DataSource = DS.Tables(0)
dgv.ReadOnly = True
End Sub

Private Sub frmaccess_Load(ByVal sender As
System.Object, ByVal e As System.EventArgs) Handles
 MyBase.Load
    Me.CenterToScreen()
    Call Koneksi()
    Call angkaromawi()
    Call Notis()
    Call TAMPILGRID()
End Sub

Private Sub ttanggal_ValueChanged(ByVal sender As
System.Object, ByVal e As System.EventArgs) Handles
ttanggal.ValueChanged
    Call angkaromawi()
    Call Notis()

End Sub

Private Sub Button1_Click(ByVal sender As
System.Object, ByVal e As System.EventArgs) Handles
Button1.Click
```

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---

```
        CMD = New OleDbCommand("insert into tblnomor
values('" & tnomor.Text & "')", Conn)
        CMD.ExecuteNonQuery()
        Call Notis()
        Call TAMPILGRID()
    End Sub

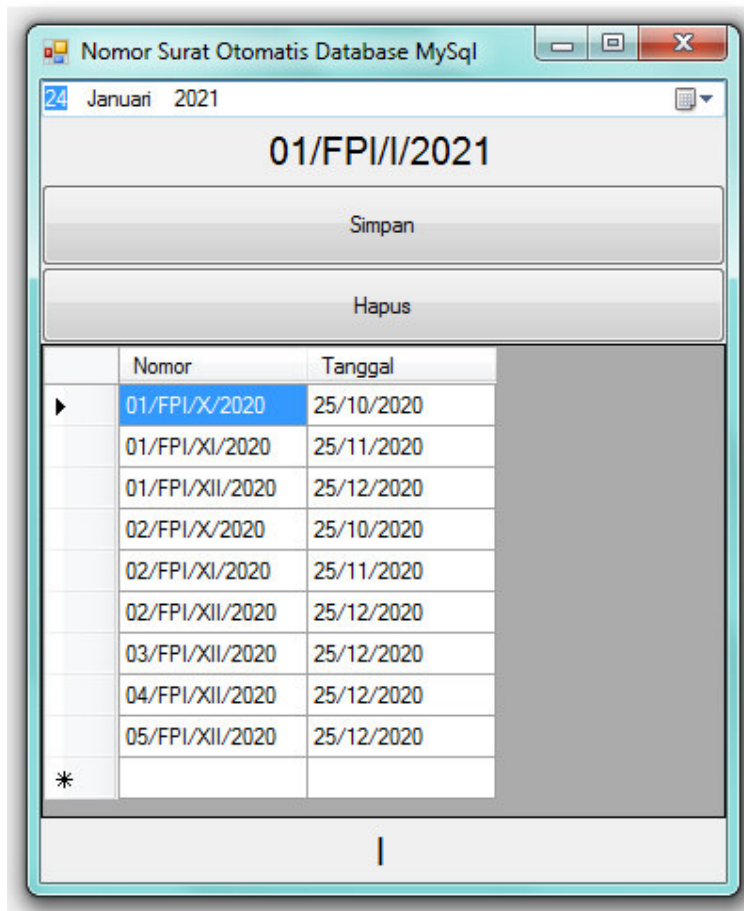
    Private Sub Button2_Click(ByVal sender As
System.Object, ByVal e As System.EventArgs) Handles
Button2.Click
        CMD = New OleDbCommand("delete from tblnomor",
Conn)
        CMD.ExecuteNonQuery()
        Call Notis()
        Call TAMPILGRID()
    End Sub
End Class
```

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Database mysql

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Coding mysql

```
Imports System.Data.Odbc
```

```
Public Class frmmysql
```

```
    Dim Conn As OdbcConnection
```

```
    Dim DA As OdbcDataAdapter
```

```
    Dim DS As DataSet
```

```
    Dim CMD As OdbcCommand
```

```
    Dim DR As OdbcDataReader
```

```
    Sub Koneksi()
```

```
        Try
```

```
            Conn = New OdbcConnection("Dsn=dsnnomor")
```

```
            If Conn.State = ConnectionState.Closed Then
```

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```
        Conn.Open()
    End If
Catch ex As Exception
    MsgBox(ex.Message)
End
End Try
End Sub

Dim romawi, ketemu As String

Sub angkaromawi()
    If Month(ttanggal.Text) = 1 Then
        romawi = "I"
    ElseIf Month(ttanggal.Text) = 2 Then
        romawi = "II"
    ElseIf Month(ttanggal.Text) = 3 Then
        romawi = "III"
    ElseIf Month(ttanggal.Text) = 4 Then
        romawi = "IV"
    ElseIf Month(ttanggal.Text) = 5 Then
        romawi = "V"
    ElseIf Month(ttanggal.Text) = 6 Then
        romawi = "VI"
    ElseIf Month(ttanggal.Text) = 7 Then
        romawi = "VII"
    ElseIf Month(ttanggal.Text) = 8 Then
        romawi = "VIII"
    ElseIf Month(ttanggal.Text) = 9 Then
        romawi = "IX"
    ElseIf Month(ttanggal.Text) = 10 Then
        romawi = "X"
    ElseIf Month(ttanggal.Text) = 11 Then
        romawi = "XI"
    ElseIf Month(ttanggal.Text) = 12 Then
        romawi = "XII"
    End If
    tromawi.Text = romawi
End Sub

Sub Notis()
    Koneksi()
    CMD = New OleDbCommand("select
concat(right(nomor,2),mid(tanggal,6,2),left(nomor,2))
from tblnomor where year(tanggal)='" &
Year(ttanggal.Text) & "' and month(tanggal)='" &
Month(ttanggal.Text) & "' order by 1 desc", Conn)
```

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```
DR = CMD.ExecuteReader
DR.Read()
If Not DR.HasRows Then
    tnomor.Text = "01/FPI/" + tromawi.Text + "/"
+ Microsoft.VisualBasic.Right(ttanggal.Text, 4)
Else
    If Microsoft.VisualBasic.Left(DR(0), 4) =
Format(DateValue(ttanggal.Text), "yyMM") Then
        tnomor.Text =
Format(Microsoft.VisualBasic.Right(DR(0), 2) + 1, "00") +
"/FPI/" + tromawi.Text + "/" +
Microsoft.VisualBasic.Right(ttanggal.Text, 4)
    Else
        tnomor.Text = "01/FPI/" + tromawi.Text +
"/" + Microsoft.VisualBasic.Right(ttanggal.Text, 4)
    End If
End If
End Sub

Sub TAMPILGRID()
Call Koneksi()
DA = New OleDbDataAdapter("select * from tblnomor",
Conn)
DS = New DataSet
DA.Fill(DS)
dgv.DataSource = DS.Tables(0)
dgv.ReadOnly = True
End Sub

Private Sub frmodbcsrvr_Load(ByVal sender As
System.Object, ByVal e As System.EventArgs) Handles
 MyBase.Load
    Me.CenterToScreen()
    Call angkaromawi()
    Call Notis()
    Call TAMPILGRID()
End Sub

Private Sub ttanggal_ValueChanged(ByVal sender As
System.Object, ByVal e As System.EventArgs) Handles
 ttanggal.ValueChanged
    Call angkaromawi()
    Call Notis()
End Sub
```

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---

```
Private Sub Button1_Click(ByVal sender As
System.Object, ByVal e As System.EventArgs) Handles
Button1.Click
    Call Koneksi()
    CMD = New OleDbCommand("insert into tblnomor
values('" & tnomor.Text & "',''" &
Format(DateValue(ttanggal.Text), "yyyy-MM-dd") & "'')",
Conn)
    CMD.ExecuteNonQuery()
    Call Notis()
    Call TAMPILGRID()
End Sub

Private Sub Button2_Click(ByVal sender As
System.Object, ByVal e As System.EventArgs) Handles
Button2.Click
    Call Koneksi()
    CMD = New OleDbCommand("delete from tblnomor",
Conn)
    CMD.ExecuteNonQuery()
    Call Notis()
    Call TAMPILGRID()
End Sub
End Class
```

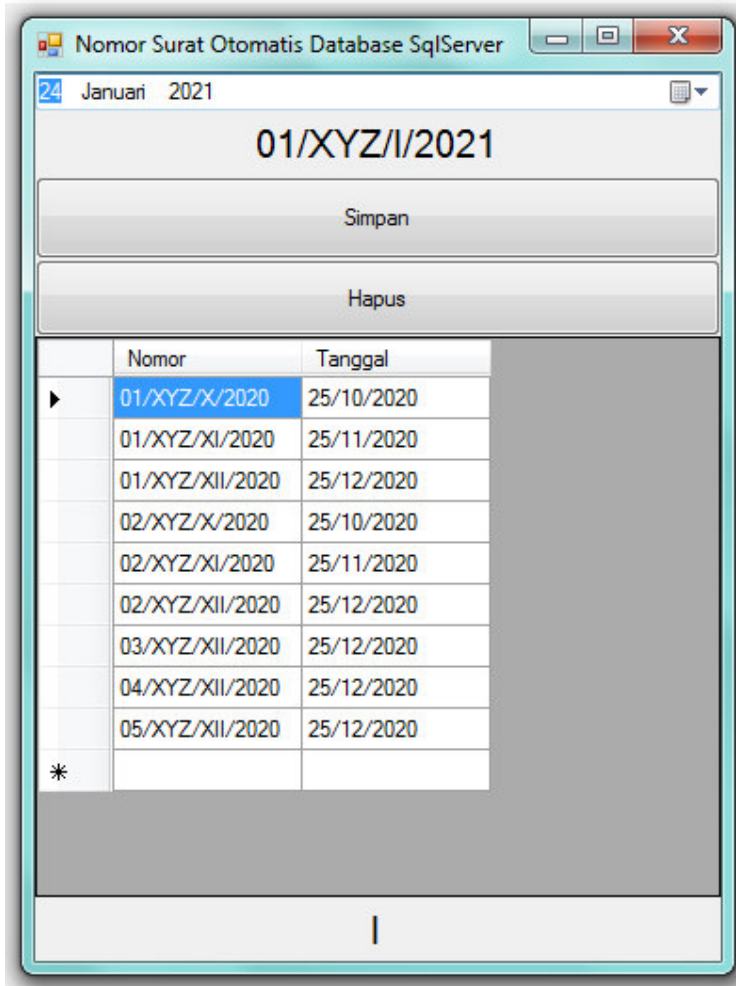


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Database sqlserver

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Coding - sqlserver

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

    Dim Conn As SqlConnection
    Dim DA As SqlDataAdapter
    Dim DS As DataSet
    Dim CMD As SqlCommand
    Dim DR As SqlDataReader

    Sub Koneksi()
```

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```
Try
    Conn = New SqlConnection("data
source=.\\sqlexpress;initial catalog=dbNOMOR;integrated
security=true")
    If Conn.State = ConnectionState.Closed Then
        Conn.Open()
    End If
Catch ex As Exception
    MsgBox(ex.Message)
End
End Try
End Sub
```

```
Dim romawi, ketemu As String
```

```
Sub angkaromawi()
    If Month(Ttanggal.Text) = 1 Then
        romawi = "I"
    ElseIf Month(Ttanggal.Text) = 2 Then
        romawi = "II"
    ElseIf Month(Ttanggal.Text) = 3 Then
        romawi = "III"
    ElseIf Month(Ttanggal.Text) = 4 Then
        romawi = "IV"
    ElseIf Month(Ttanggal.Text) = 5 Then
        romawi = "V"
    ElseIf Month(Ttanggal.Text) = 6 Then
        romawi = "VI"
    ElseIf Month(Ttanggal.Text) = 7 Then
        romawi = "VII"
    ElseIf Month(Ttanggal.Text) = 8 Then
        romawi = "VIII"
    ElseIf Month(Ttanggal.Text) = 9 Then
        romawi = "IX"
    ElseIf Month(Ttanggal.Text) = 10 Then
        romawi = "X"
    ElseIf Month(Ttanggal.Text) = 11 Then
        romawi = "XI"
    ElseIf Month(Ttanggal.Text) = 12 Then
        romawi = "XII"
    End If
    Tromawi.Text = romawi
End Sub
```

```
Sub Notis()
    Koneksi() '202012
```

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```
        CMD = New SqlCommand("select
left(convert(varchar,tanggal,12),4)+left(nomor,2) from
tblnomor where year(tanggal)='" & Year(ttanggal.Text) &
"' and month(tanggal)='" & Month(ttanggal.Text) & "'
order by 1 desc", Conn) '201201
        dr = cmd.ExecuteReader
        dr.Read()
        If Not dr.HasRows Then
            tnomor.Text = "01/XYZ/" + tromawi.Text + "/"
+ Microsoft.VisualBasic.Right(ttanggal.Text, 4)
        Else
            If Microsoft.VisualBasic.Left(dr(0), 4) =
Format(DateValue(ttanggal.Text), "yyMM") Then
                tnomor.Text =
Format(Microsoft.VisualBasic.Right(DR(0), 2) + 1, "00") +
"/XYZ/" + tromawi.Text + "/" +
Microsoft.VisualBasic.Right(ttanggal.Text, 4)
            Else
                tnomor.Text = "01/XYZ/" + tromawi.Text +
"/" + Microsoft.VisualBasic.Right(ttanggal.Text, 4)
            End If
        End If
    End Sub

Sub TAMPILGRID()
    Call Koneksi()
    DA = New SqlDataAdapter("select * from tblnomor",
Conn)
    DS = New DataSet
    DA.Fill(DS)
    dgv.DataSource = DS.Tables(0)
    dgv.ReadOnly = True
End Sub

Private Sub frmsqlserver_Load(ByVal sender As
System.Object, ByVal e As System.EventArgs) Handles
MyBase.Load
    Me.CenterToScreen()
    Call angkaromawi()
    Call Notis()
    Call TAMPILGRID()
End Sub

Private Sub ttanggal_ValueChanged(ByVal sender As
System.Object, ByVal e As System.EventArgs) Handles
ttanggal.ValueChanged
    Call angkaromawi()
End Sub
```

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---

```
        Call Notis()
    End Sub

    Private Sub Button1_Click(ByVal sender As
System.Object, ByVal e As System.EventArgs) Handles
Button1.Click
        Call Koneksi()
        CMD = New SqlCommand("insert into tblnomor
values('" & tnomor.Text & "', '" &
Format(DateValue(ttanggal.Text), "MM/dd/yyyy") & "')",
Conn)
        CMD.ExecuteNonQuery()
        Call Notis()
        Call TAMPILGRID()
    End Sub

    Private Sub Button2_Click(ByVal sender As
System.Object, ByVal e As System.EventArgs) Handles
Button2.Click
        Call Koneksi()
        CMD = New SqlCommand("delete from tblnomor",
Conn)
        CMD.ExecuteNonQuery()
        Call Notis()
        Call TAMPILGRID()
    End Sub
End Class
```