

MANTENIMIENTO DE LA TABLA PRODUCTOS UTILIZANDO LINQ TO ENTITIES Y LISTVIEW

Codigo	Descripcion	Precio	Stock_Act
P001	PYE DE MANZANA	20.0000	500
P002	TORTA DE CHOCOLATE	45.0000	100
P003	TORTA TRES LECHE	30.0000	40
P004	MOUSE DE MANZANA	35.0000	70
P005	ARROZ CON LECHE - ENVASE ESPECIAL	13.0000	40
P006	MAZAMORRA MORADA	1.5000	70
P007	YOGURT ARABE	3.0000	100
P008	PAN CON POLLO	2.0000	500
P009	BROWNIE	3.0000	300
P010	BESO DE MOZA	1.0000	400
P011	PYE DE LIMON	1.7000	100
P012	TORTA DE NARANJA	15.0000	10

```
-- autogenera el codigo del Producto
If OBJECT_ID('sp_generaCodigo') is not null
    drop proc sp_generaCodigo
go
Create procedure sp_generaCodigo
@cod varchar (20) output
as
declare @aux varchar(20)
select @aux = max(right(COD_PRO,3)) from PRODUCTO
select @cod = 'P'+right(str(convert(int,@aux)+10001),3)
--noten que en este procedimiento el parámetro @cod dice
output que quiere decir que es de salida.
go

--para probar nuestro sp seria de la siguiente manera
--(esto siempre y cuando el sp vote un parámetro de
--salida):
declare @aux varchar(20)
execute sp_generaCODIGO @aux output
select @aux
```

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

```
Dim cn As New SqlConnection _
("Server=.;DataBase=Ventas2014;integrated Security=true")
Dim db As New VENTAS2014Entities
```

```
Private Sub Form1_Load(sender As Object, e As EventArgs) Handles MyBase.Load
    Call formatoLista()
    Call Llenalista()
End Sub
```

```
Private Sub btnRegistrar_Click(sender As Object, e As EventArgs) Handles
Dim objPro = db.PRODUCTO.Find(txtCodigo.Text)
If objPro Is Nothing Then
    objPro = New PRODUCTO
    Call Autogenera_Codigo()
    objPro.COD_PRO = txtCodigo.Text
    objPro.DESCRIP_PRO = txtDescripcion.Text
    objPro.PRECIO_PRO = txtPrecio.Text
    objPro.STOCK_ACT_PRO = txtStockA.Text
    objPro.STOCK_MIN_PRO = txtStockM.Text
    db.PRODUCTO.Add(objPro)
    db.SaveChanges()
    Call Llenalista()
Else
    MessageBox.Show("Codigo Registrado!!!")
End If
End Sub
```

```
Sub formatoLista()
    With lvProductos
        .View = View.Details
        .GridLines = True
        .Columns.Add("Codigo", 100)
        .Columns.Add("Descripcion", 250)
        .Columns.Add("Precio", 150)
        .Columns.Add("Stock_Act", 100)
        .Columns.Add("Stock_Min", 100)
    End With
End Sub
```

```
Private Sub lvProductos_SelectedIndexChanged(sender As Object, e As EventArgs)
Try
    Call ItemSeleccionado()
Catch ex As Exception
    End Try
End Sub
```

```

Sub LlenaLista()
lvProductos.Items.Clear()
Using cn As New EntityConnection("Name=VENTAS2014Entities")
Dim cmd As New EntityCommand("Select value Prod from VENTAS2014Entities.producto
as prod", cn)
cn.Open()
Dim dr As EntityDataReader = cmd.ExecuteReader(CommandBehavior.SequentialAccess)
While dr.Read
    Dim it As New ListViewItem(dr("cod_pro").ToString)
    it.SubItems.Add(dr("Descrip_pro"))
    it.SubItems.Add(dr("Precio_pro"))
    it.SubItems.Add(dr("Stock_act_pro"))
    it.SubItems.Add(dr("Stock_min_pro"))
    lvProductos.Items.Add(it)
End While
dr.Close()
End Using
End Sub

```

```

Sub ItemSeleccionado()
    Dim i As ListViewItem
    i = lvProductos.SelectedItems(0)
    txtCodigo.Text = i.Text
    txtDescripcion.Text = i.SubItems.Item(1).Text
    txtPrecio.Text = i.SubItems.Item(2).Text
    txtStockA.Text = i.SubItems.Item(3).Text
    txtStockM.Text = i.SubItems.Item(4).Text
End Sub

```

```

Private Sub btnActualizar_Click(sender As Object, e As EventArgs) Handles
Dim objPro = db.PRODUCTO.Find(txtCodigo.Text)
If objPro Is Nothing Then
    MessageBox.Show("NO EXISTE CODIGO!!!!")
Else
    objPro.COD_PRO = txtCodigo.Text
    objPro.DESCRIP_PRO = txtDescripcion.Text
    objPro.PRECIO_PRO = txtPrecio.Text
    objPro.STOCK_ACT_PRO = txtStockA.Text
    objPro.STOCK_MIN_PRO = txtStockM.Text
    db.SaveChanges()
    Call LlenaLista()
End If
End Sub

```

```

Private Sub btnNuevo_Click(sender As Object, e As EventArgs) Handles
    LimpiarControles()
End Sub

```

```

Sub LimpiarControles()
    Dim misObjetos As Control
    For Each misObjetos In Me.Controls
        If TypeOf misObjetos Is System.Windows.Forms.TextBox Then
            misObjetos.Text = ""
        End If
    Next
End Sub

```

```

Sub Autogenera_Codigo()
    cn.Open()

```

```
Using cmd As New SqlCommand
    cmd.CommandType = CommandType.StoredProcedure
    cmd.Connection = cn
    cmd.CommandText = "sp_generaCodigo"
    With cmd.Parameters
        .Add("@Cod", SqlDbType.Char, 4).Direction = ParameterDirection.Output
    End With
    cmd.ExecuteNonQuery()
    Dim NewCodigo As String
    NewCodigo = cmd.Parameters(0).Value.ToString
    cn.Close()
    txtCodigo.Text = NewCodigo
End Using
End Sub
```

```
End Class
```