

Module Module1

```
Sub Main()
    Dim lista As List(Of String) = New List(Of String)
    lista.Add("Alex")
    lista.Add("Juan")
    lista.Add("Milagros")
    lista.Add("Miguel")
    'Imprimir el valor del primer valor
    Console.WriteLine("Valor : {0}", lista(1))
    Console.WriteLine("Cantidad de Elementos:{0}", lista.Count)

    'Recorrido de elementos
    For i = 0 To lista.Count - 1
        Console.WriteLine("Elemento{0} : {1}", i, lista(i))
    Next

    'Eliminar elementos
    lista.RemoveAt(1)

    'Recorrido de elementos
    For i = 0 To lista.Count - 1
        Console.WriteLine("Elemento{0} : {1}", i, lista(i))
    Next

    'Busqueda
    Console.WriteLine(vbCrLf)
    Console.WriteLine("**** BUSQUEDA SIMPLE ****")
    Dim search As String = lista.Find(Function(s) s.Equals("rtert"))
    If search = "" Then
        Console.WriteLine("Elemento no encontrado.")
    Else
        Console.WriteLine("Elemento encontrado: " + search)
    End If

    'Busqueda Multiples
    Console.WriteLine(vbCrLf)
    Console.WriteLine("**** BUSQUEDA SIMPLE/MULTIPLE ****")
    Dim search2 As String = lista.Find(Function(s) s.Contains("Mi"))
    If search2 = "" Then
        Console.WriteLine("Elemento no encontrado.")
    Else
        Console.WriteLine("Elemento encontrado: " + search2)
    End If

    'Busqueda Multiple
    Console.WriteLine(vbCrLf)
    Console.WriteLine("**** BUSQUEDA MULTIPLE ****")
    Dim search3 As List(Of String) = lista.FindAll(Function(s)
s.Contains("Mi"))
    For Each searching As String In search3
        Console.WriteLine(searching)
    Next

    Console.Read()
End Sub

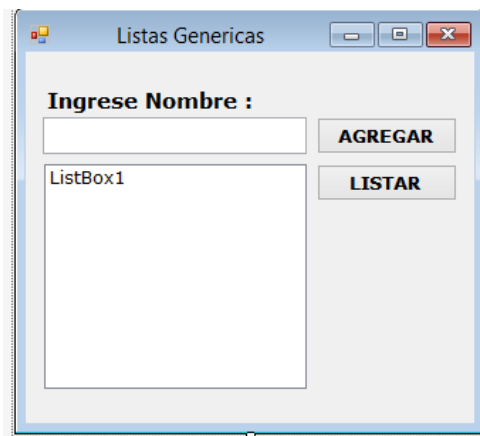
End Module
```



```

Module Ingresos
    Sub Main()
        Console.WriteLine("***** LISTAS *****")
        Dim cantidad As Integer
        Console.Write("Ingrese la cantidad de elementos: ")
        cantidad = Console.ReadLine
        'Declarando la lista
        Dim lista As List(Of String) = New List(Of String)
        'Ingresando datos
        For i = 0 To cantidad - 1
            Console.Write("Ingrese elemento {0} : ", i)
            lista.Add(Console.ReadLine)
        Next
        'Imprimir los valores
        Console.WriteLine(vbCrLf)
        Console.WriteLine("***** LISTADO *****")
        For i = 0 To cantidad - 1
            Console.WriteLine("Elemento {0}:{1} ", i, lista(i))
        Next
        Console.Read()
    End Sub
End Module

```



```

Public Class Form1
    'Declarando lista
    Dim lista As List(Of String) = New List(Of String)
    Private Sub Button1_Click(sender As Object, e As EventArgs) Handles
        Button1.Click
            lista.Add(txtNombre.Text)
            txtNombre.Clear()
            MessageBox.Show("Item Agregado", "Alerta", MessageBoxButtons.OK,
                MessageBoxIcon.Exclamation)
        End Sub

    Private Sub Button2_Click(sender As Object, e As EventArgs) Handles
        Button2.Click
            ListBox1.Items.Clear()
            For i = 0 To lista.Count - 1
                ListBox1.Items.Add(lista(i))
            Next
        End Sub
    End Class

```

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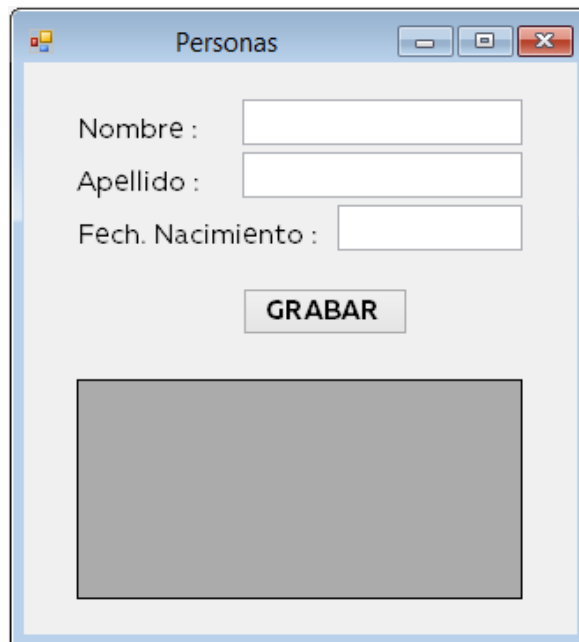
Public Class Person
    Private _nombre As String
    ''' <summary>
    ''' Nombre de la persona
    ''' </summary>
    Public Property Nombre() As String
        Get
            Return _nombre
        End Get
        Set
            _nombre = Value
        End Set
    End Property

    Private _apellido As String
    ''' <summary>
    ''' Apellido de la persona
    ''' </summary>
    Public Property Apellido() As String
        Get
            Return _apellido
        End Get
        Set
            _apellido = Value
        End Set
    End Property

    Private _nacimiento As DateTime
    ''' <summary>
    ''' Cuando nació la persona
    ''' </summary>
    Public Property Nacimiento() As DateTime
        Get
            Return _nacimiento
        End Get
        Set
            _nacimiento = Value
        End Set
    End Property

    Public Sub New(nombre As String, apellido As String, nacimiento As
DateTime)
        Me.Nombre = nombre
        Me.Apellido = apellido
        Me.Nacimiento = nacimiento
    End Sub
End Class

```



```

Dim listaPersona As New List(Of Person)

Public Function addPerson() As Person
    Dim ls_nombre As String = txtName.Text
    Dim ls_apellido As String = txtLastName.Text
    Dim ld_fecNacimiento As DateTime =
Convert.ToDateTime(txtBirthDay.Text)
    Dim persona As New Person(ls_nombre, ls_apellido, ld_fecNacimiento)
    Return persona
End Function

Public Sub listar(lista As List(Of Person))
    Dim bSource As New BindingSource()
    bSource.DataSource = lista
    dataGridView1.DataSource = bSource
End Sub

Public Sub limpiar()
    txtName.Text = ""
    txtLastName.Text = ""
    txtBirthDay.Text = ""
End Sub

Private Sub button1_Click(sender As Object, e As EventArgs) Handles
button1.Click
    listaPersona.Add(addPerson())
    limpiar()
    listar(listaPersona)
End Sub

Private Sub Button2_Click(sender As Object, e As EventArgs) Handles
Button2.Click
    Dim search2 As List(Of Person) = listaPersona.FindAll(Function(s)
s.Apellido.Contains("B"))
    For Each searching As Person In search2
        Console.WriteLine(searching.Apellido)
    Next
End Sub

```