

BrowseThruControls

(Q) Can I list the value of all controls on a form for debugging purposes ?

tags:
[HowTo](#)

(R) Use the **Controls** collection on objects and nested objects recursively as shown.

Consider next tables:

- Orders table

Fields	Field Type	Primary
CustomerID	Text	
EmployeeID	Integer	
Freight	Number	
OrderDate	Date/Time	
OrderID	BigInt	Y
RequiredDate	Date/Time	
ShipAddress	Text	
ShipCity	Text	
ShipCountry	Text	
ShipName	Text	
ShippedDate	Date/Time	
ShipPostalCode	Text	
ShipRegion	Text	
ShipVia	Integer	

- Order Details table

Fields	Field Type	Primary
Discount	Float	
OrderID	BigInt	Y
ProductID	BigInt	Y
Quantity	Integer	
UnitPrice	Number	

Define a main/sub form based on those tables (wizard is perfect for making the form: choose a normal format for the mainform and the grid format for the subform).

Run next code:

```
Sub StartBrowseThruControls(ByVal psFormName As String)

Dim oMainForm As Object
```

```

        Set oMainForm = Forms(psFormName)
        BrowseThruControls(oMainForm)

End Sub

Sub BrowseThruControls(poObject As Object, ByVal Optional piLevel As Integer)

Dim i As Integer, ocControl As Object
    If IsMissing(piLevel) Then piLevel = 1
    For i = 0 To poObject.Controls.Count - 1
        Set ocControl = poObject.Controls(i)
        Select Case ocControl.SubType
            Case "SUBFORMCONTROL"
                DebugPrint piLevel, ocControl.SubType, ocControl.Name
                BrowseThruControls(ocControl.Form, piLevel + 1)
            Case "GRIDCONTROL"
                DebugPrint piLevel, ocControl.SubType, ocControl.Name
                BrowseThruControls(ocControl, piLevel + 1)
            Case Else
                If ocControl.HasProperty("Value") Then DebugPrint piLevel, ocControl.Name, ocControl.Value
        End Select
    Next i

End Sub

```

This will produce next result in the *Access2Base* console:

```

13:23:38 ===> 1 TEXTFIELD txtShipPostalCode 51100
13:23:38 ===> 1 FORMATTEDFIELD fmtShipVia 3
13:23:38 ===> 1 DATEFIELD datRequiredDate 01/08/1996
13:23:38 ===> 1 SUBFORMCONTROL SubForm
13:23:38 ===> 2 GRIDCONTROL SubForm_Grid
13:23:38 ===> 3 FORMATTEDFIELD OrderID 10248
13:23:38 ===> 3 FORMATTEDFIELD Discount 0
13:23:38 ===> 3 FORMATTEDFIELD ProductID 11
13:23:38 ===> 3 FORMATTEDFIELD UnitPrice 14
13:23:38 ===> 3 FORMATTEDFIELD Quantity 12
13:23:38 ===> 1 DATEFIELD datShippedDate 16/07/1996
13:23:38 ===> 1 TIMEFIELD timShippedDate 0
13:23:38 ===> 1 FORMATTEDFIELD fmtEmployeeID 5
13:23:38 ===> 1 TEXTFIELD txtShipName Vins et alcools Chevalier
13:23:38 ===> 1 TIMEFIELD timRequiredDate 0
13:23:39 ===> 1 TEXTFIELD txtShipAddress 59 rue de l'Abbaye
13:23:39 ===> 1 FORMATTEDFIELD fmtOrderID 10248
13:23:39 ===> 1 FORMATTEDFIELD fmtFreight 32,38
13:23:39 ===> 1 DATEFIELD datOrderDate 04/07/1996
13:23:39 ===> 1 TEXTFIELD txtShipCountry France
13:23:39 ===> 1 TEXTFIELD txtShipCity Reims
13:23:39 ===> 1 TEXTFIELD txtShipRegion
13:23:39 ===> 1 TIMEFIELD timOrderDate 0
13:23:39 ===> 1 TEXTFIELD txtCustomerID WILMK

```

It makes clear:

- that a subform is a control like any control
- that the gridcontrol is simply embedded in the subform also like any other control

See also

[DebugPrint](#)
[Form \(subform\)](#)
[hasProperty](#)
[SubType](#)

TraceConsole

Refer to ...

Basic module	Form	Form event	Control	Control event	Comments
Browse	Orders_Browse				Open the form manually and run the <i>Main</i> Sub from the Basic IDE.

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