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FindPositionRecordset

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[HowTo](#)

(Q) How do I find the current absolute and relative position in a recordset ?

(R) The **AbsolutePosition** property returns the record number of the recordset. Associated with **RecordCount** the relative position can be derived.

In some situations, you need to determine how far through a **Recordset object** you have moved the current record position, and perhaps indicate the current record position to a user. For example, you may want to indicate the current position on a progress bar or similar type of control.

The *AbsolutePosition* property value is the position of the current record relative to 0. However, do not think of this property as a record number. There is no assurance that a record will have the same absolute position if the Recordset object is recreated because the order of individual records within a Recordset object is not guaranteed unless it is created with an SQL statement that includes an ORDER BY clause.

We can compute the current relative position expressed as a percentage of the total number of records indicated by the *RecordCount* property. Because the *RecordCount* property does not reflect the total number of records in the *Recordset* object until the *Recordset* has been fully populated, we will use the **MoveLast** and **MoveFirst** methods immediately after opening the Recordset. This fully populates the *Recordset* object. If you have a large result set, using the *MoveLast* method may take a long time.

The following example opens a *Recordset* object on a table called Employees.

- Employees table

Fields	Field Type	Primary
Address	Text	
BirthDate	Date/Time	
City	Text	
Country	Text	
Extension	text	
FirstName	text	
HireDate	Date/Time	
HomePhone	Text	
LastName	Text	
Notes	Text	
Photo	Text	
PostalCode	Text	
Region	Text	
ReportsTo	BigInt	
Title	Text	
TitleOfCourtesy	Text	
EmployeeID	BigInt	Y

The procedure then moves through the Employees table and uses the **SysCmd** method to display a progress bar showing the percentage of the table that has been processed.

```
Sub DisplayPosition()  
  
Dim odbNorthwind As Object  
Dim orsEmployees As Object  
Dim sMsg As String  
Dim lCount As Long
```

```

Dim sSQL As String
Dim dPercent As Double

On Local Error GoTo ErrorHandler

    Set odbNorthwind = Application.CurrentDb

    sSQL = "SELECT * FROM Employees"
    Set orsEmployees = odbNorthwind.OpenRecordset(sSQL, , , dbReadOnly)

    With orsEmployees
        If .EOF Then ' If no records, exit
            Exit Sub
        Else
            sMsg = "Processing Employees table..."
            DoCmd.SysCmd(acSysCmdInitMeter, sMsg, 100)
            .MoveLast ' Determine number of records
            lCount = .RecordCount
            .MoveFirst

            End If
            Do Until .EOF

                Any processing ...

                Wait 100 ' just to see what happens ...
                dPercent = .AbsolutePosition / lCount
                If dPercent <> 0 Then DoCmd.SysCmd(acSysCmdUpdateMeter, sMsg, Int(100 * dPercent))
                .MoveNext

            Loop
        End With
        MsgBox "Processing ended"
        DoCmd.SysCmd(acSysCmdRemoveMeter)

        orsEmployees.mClose
        Set orsEmployees = Nothing
        Set odbNorthwind = Nothing

Exit Sub

ErrorHandler:
    TraceError("ERROR", Err, "DisplayPosition", Erl)
End Sub

```

See also

[OpenRecordset](#)
[SysCmd](#)

Refer to ...

Basic module	Sub	Comments
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