

LimitsRecordset

(Q) When browsing thru a *recordset*, how can I identify that I reached the end ?

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(R) In a **Recordset object**, if you try to move beyond the beginning or ending record, an error occurs. For example, if you try to use the **MoveNext** method when you are already at the last record of the *Recordset*, an error occurs. For this reason, it is helpful to know the limits of the *Recordset* object.

The **BOF** property indicates whether the current position is at the beginning of the *Recordset*. If *BOF* is **True**, the current position is before the first record in the *Recordset*. The *BOF* property is also **True** if there are no records in the *Recordset* when it is opened. Similarly, the **EOF** property is **True** if the current position is after the last record in the *Recordset*, or if there are no records.

The following code example shows how to use the *BOF* and *EOF* properties to detect the beginning and end of a *Recordset* object. This code fragment creates a *Recordset* based on the **Orders** table from the current database. It moves through the records, first from the beginning of the *Recordset* to the end, and then from the end of the *Recordset* to the beginning.

```
Dim odbNorthwind As Object
Dim orsOrders As Object

    Set odbNorthwind = Application.CurrentDb
    Set orsOrders = odbNorthwind.OpenRecordset("Orders")

    ' Do until ending of file.
    Do Until orsOrders.EOF
        ' Manipulate the data.
        orsOrders.MoveNext                ' Move to the next record.
    Loop

    orsOrders.MoveLast                    ' Move to the last record.
    ' Do until beginning of file.
    Do Until orsOrders.BOF
        ' Manipulate the data.
        orsOrders.MovePrevious            ' Move to the previous record.
    Loop

    orsOrders.mClose()
```

Be aware that there is no current record immediately following the first loop. The *BOF* and *EOF* properties both have the following characteristics.

- If the *Recordset* contains no records when you open it, both *BOF* and *EOF* are **True**.
- When *BOF* or *EOF* is **True**, the property remains **True** until you move to an existing record, at which time the value of *BOF* or *EOF* becomes **False**.
- At the moment you create or open a *Recordset* that contains at least one record, the first record is the current record, and both *BOF* and *EOF* are **False**.
- If the first record is the current record when you use the **MovePrevious** method, *BOF* is set to **True**. If you use *MovePrevious* while *BOF* is **True**, an error occurs. When this happens, *BOF* remains **True** and there is no current record.
- Similarly, moving past the last record in the *Recordset* changes the value of the *EOF* property to **True**. If you use the *MoveNext* method while *EOF* is **True**, an error occurs.

See also

BOF, EOF
MoveFirst, MoveLast, MoveNext, MovePrevious
OpenRecordset

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