

Module 10: Object Linking and Embedding



Overview

Why Use Object Linking and Embedding (OLE)?

Creating a Linked Object

Creating an Embedded Object

Saving and Reading an Embedded Object


OLE Properties

Creating an OLE Object at Run Time

OLE Automation

What Is Object Linking and Embedding?

Drawing



Word Processor

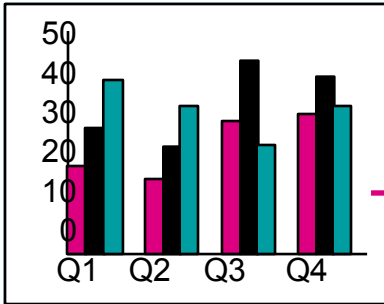
Congratulations!

This has been perhaps our best year ever. I suggest we celebrate the

Worksheet

	A	B
1		Revenues
2	Q1	\$100
3	Q2	\$125
4	Q3	\$150

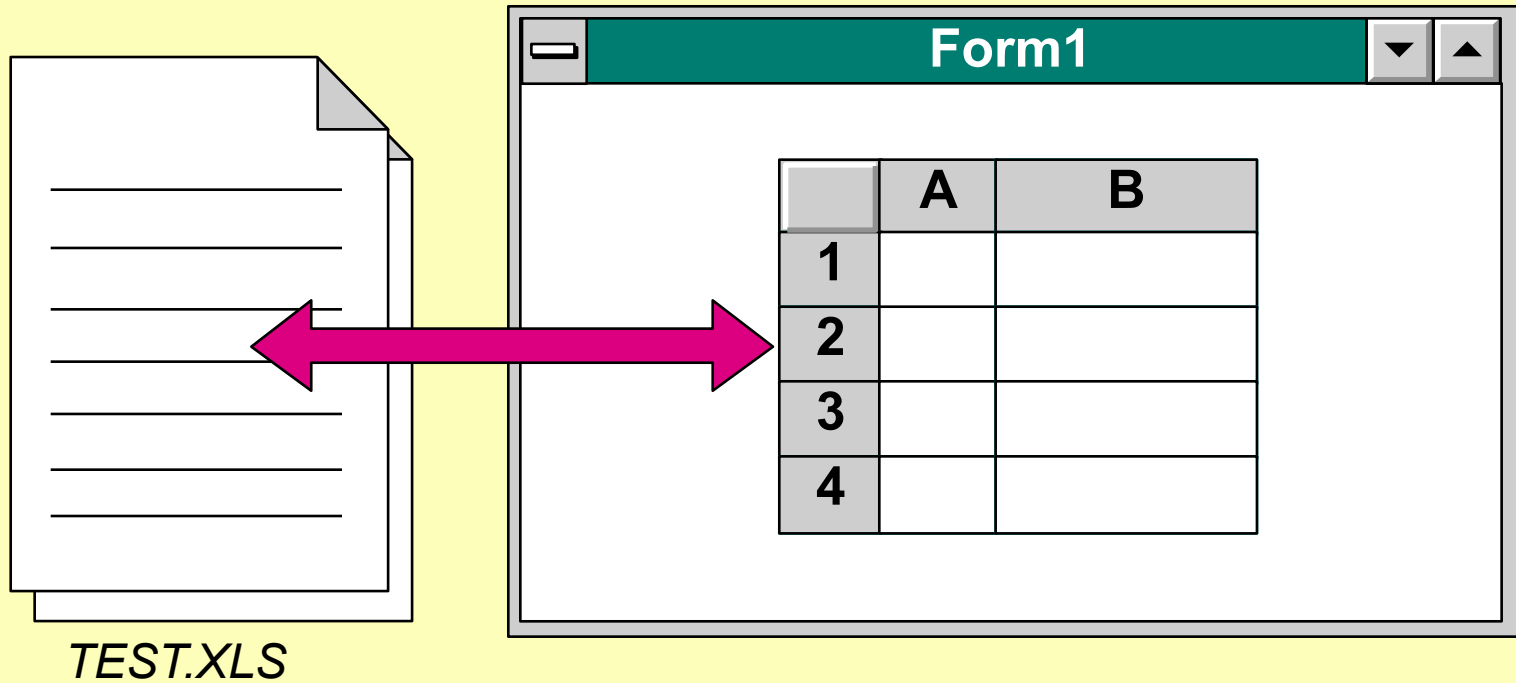
Graph



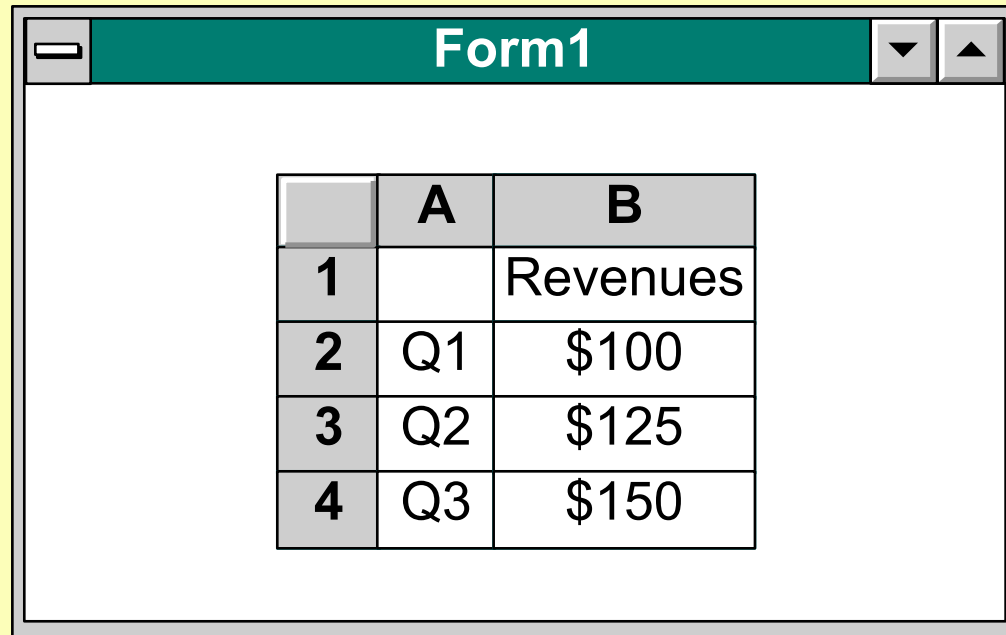
The graph displays three data series for each quarter. The pink series represents the values in column B of the worksheet. The black and teal series represent additional data points.

Quarter	Pink Series	Black Series	Teal Series
Q1	100	25	38
Q2	125	20	32
Q3	150	45	22
Q4	125	38	32

Linking a Microsoft Excel Worksheet



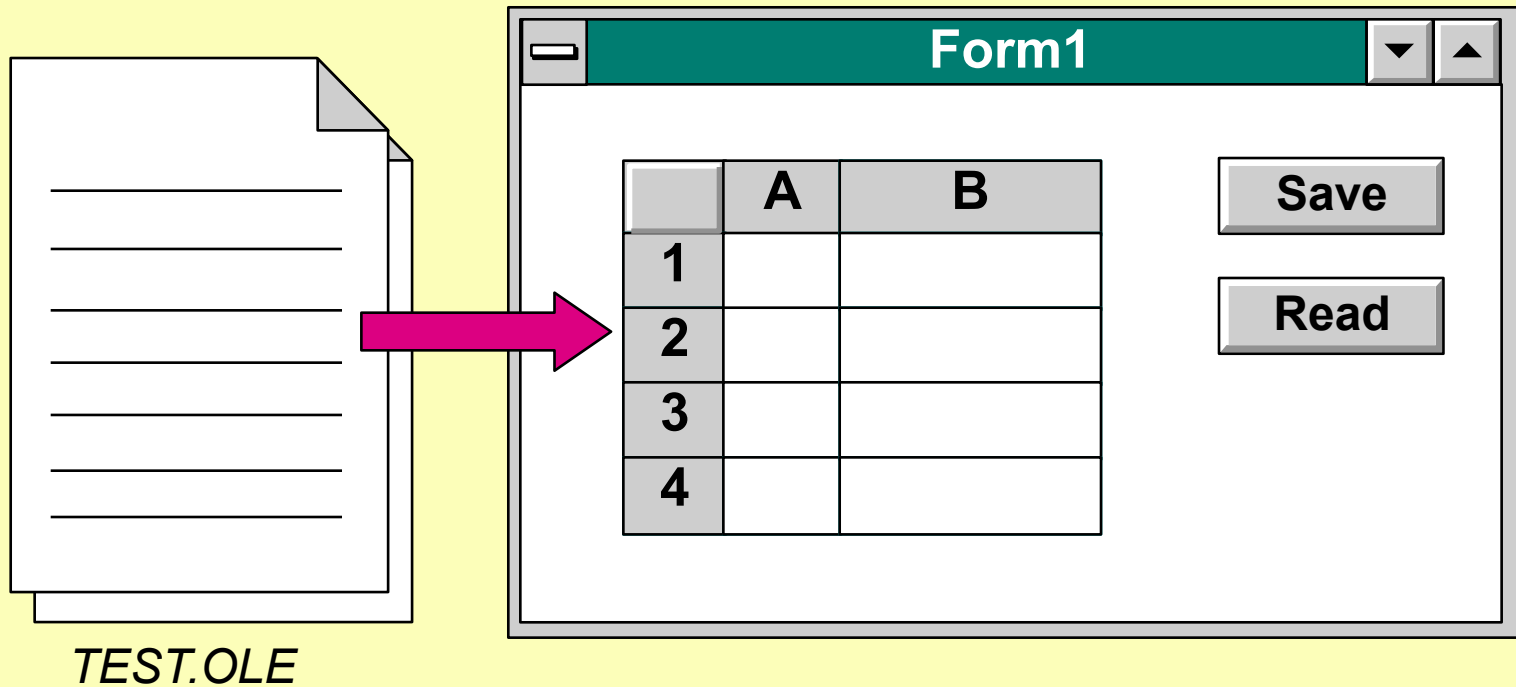
Embedding a Microsoft Excel Worksheet



The image shows a screenshot of a Microsoft Access form titled "Form1". Inside the form, there is an embedded Excel worksheet. The worksheet has a header row with columns labeled "A" and "B". Below the header, there are four rows of data. The first row has a row number "1" in column A and the text "Revenues" in column B. The subsequent three rows have row numbers "2", "3", and "4" in column A, and quarterly revenue values "Q1", "Q2", and "Q3" in column B, with corresponding dollar amounts "\$100", "\$125", and "\$150" in column C.

	A	B
1		Revenues
2	Q1	\$100
3	Q2	\$125
4	Q3	\$150

Saving and Reading an Embedded Object



OLE 2.0 Compared to OLE 1.0

OLE Automation

Create an Object

Set Objects Properties and Execute its Methods

Edit-In-Place

Objects Editing “Application” EXE Not Executing

Editing Menus and Dialogs Happen “In-Place”

Drag-and-Drop Participant

File Manager File Objects



OLE Properties

Class	The class of the object to instantiate
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OleTypeAllowed	Determines type of object you can create (linked, embedded, or either)
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SourceDoc	Name of document to link to or to embed
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SourceItem	Data within SourceDoc (linked objects only)
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Action	Specifies an operation to perform on an OLE object
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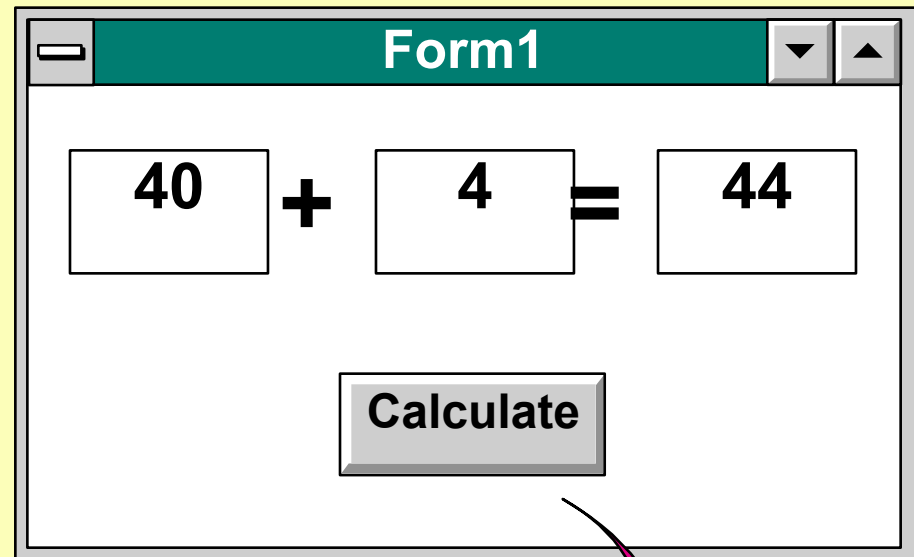
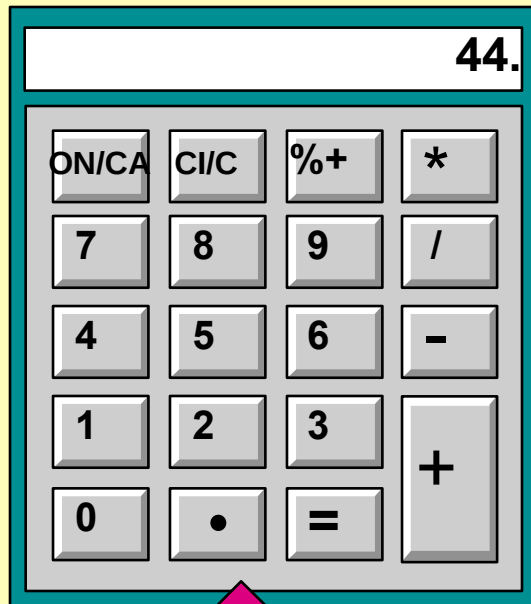
Creating a Linked Object at Run Time

Set Properties at Run Time to Establish Link

OLE Automation

Create Object - **CreateObject(ObjectName)**

- Set Objects Properties: *Operator, Operand, Accumulator*
- Execute Objects Methods: *Eval, Display*



`AutoServer.Eval`

Summary

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