

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

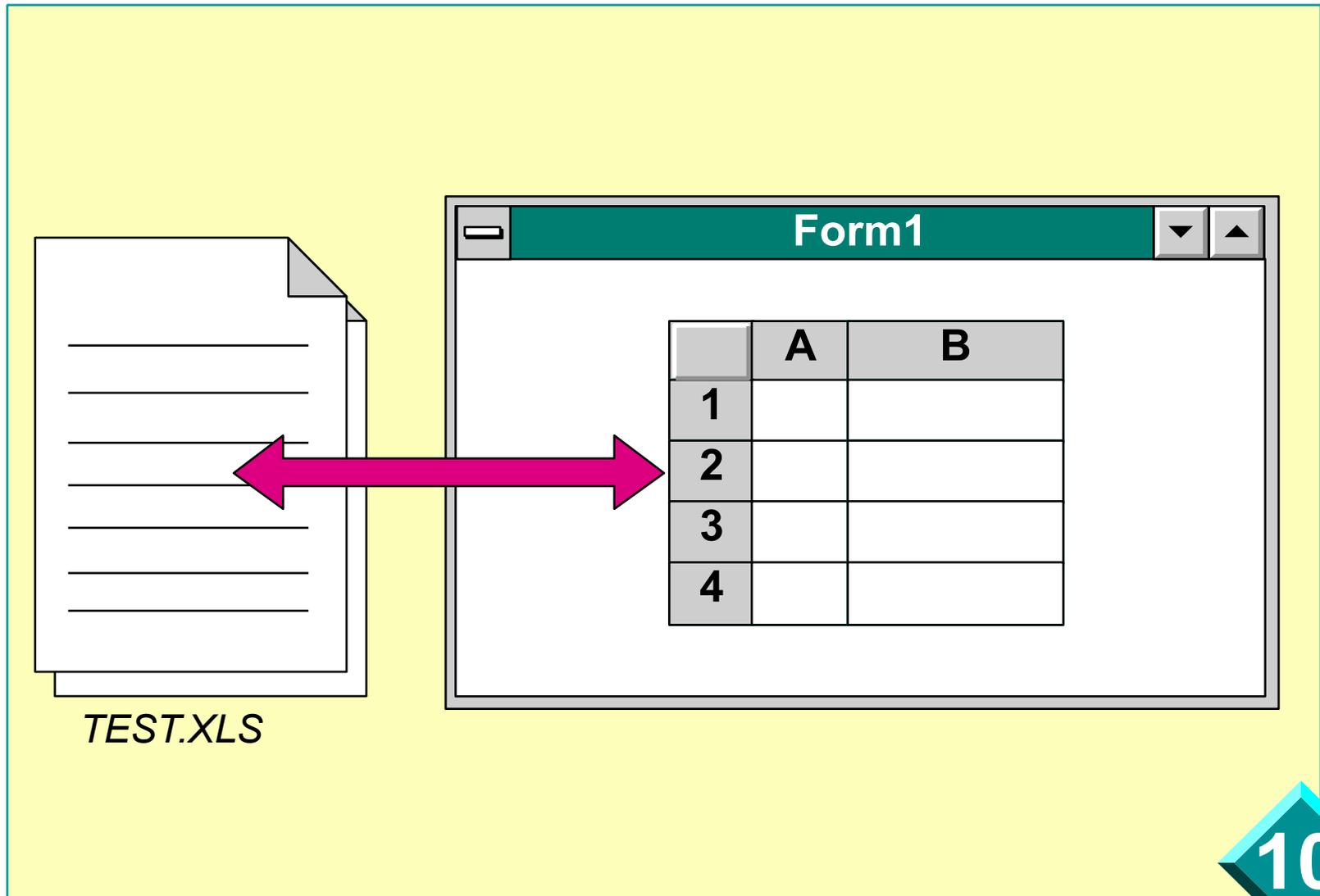
Worksheet

Graph

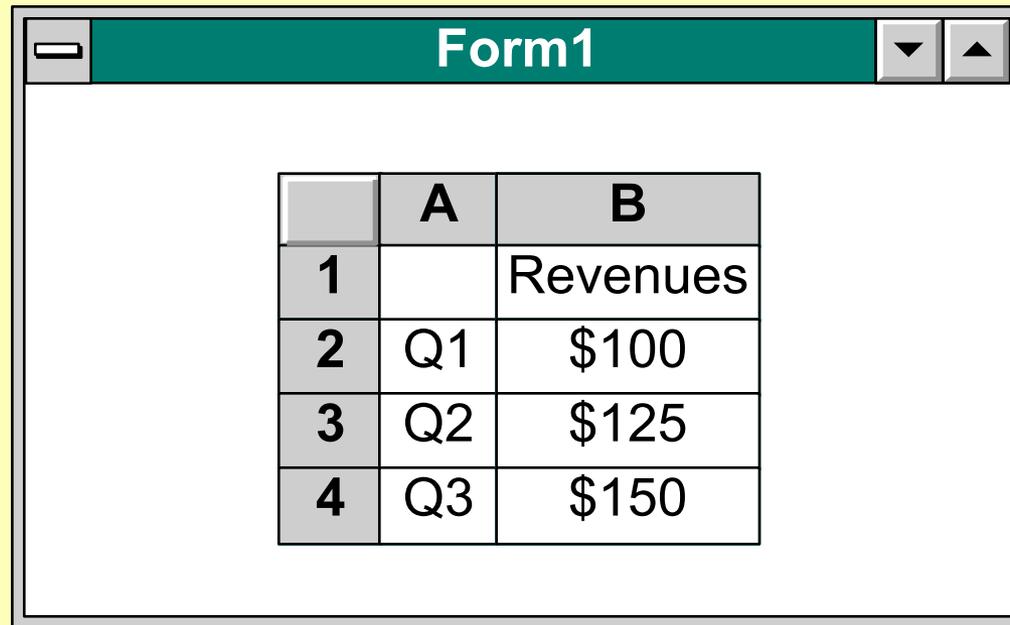
	A	B
1		Revenues
2	Q1	\$100
3	Q2	\$125
4	Q3	\$150

The diagram shows a 'Memo' window with a title bar and scroll bars. Inside, there are four objects: a 3D drawing of buildings, a text box with 'Congratulations!' and a paragraph of text, a table with revenue data, and a bar graph. Labels 'Drawing', 'Word Processor', 'Worksheet', and 'Graph' point to their respective objects.

Linking a Microsoft Excel Worksheet



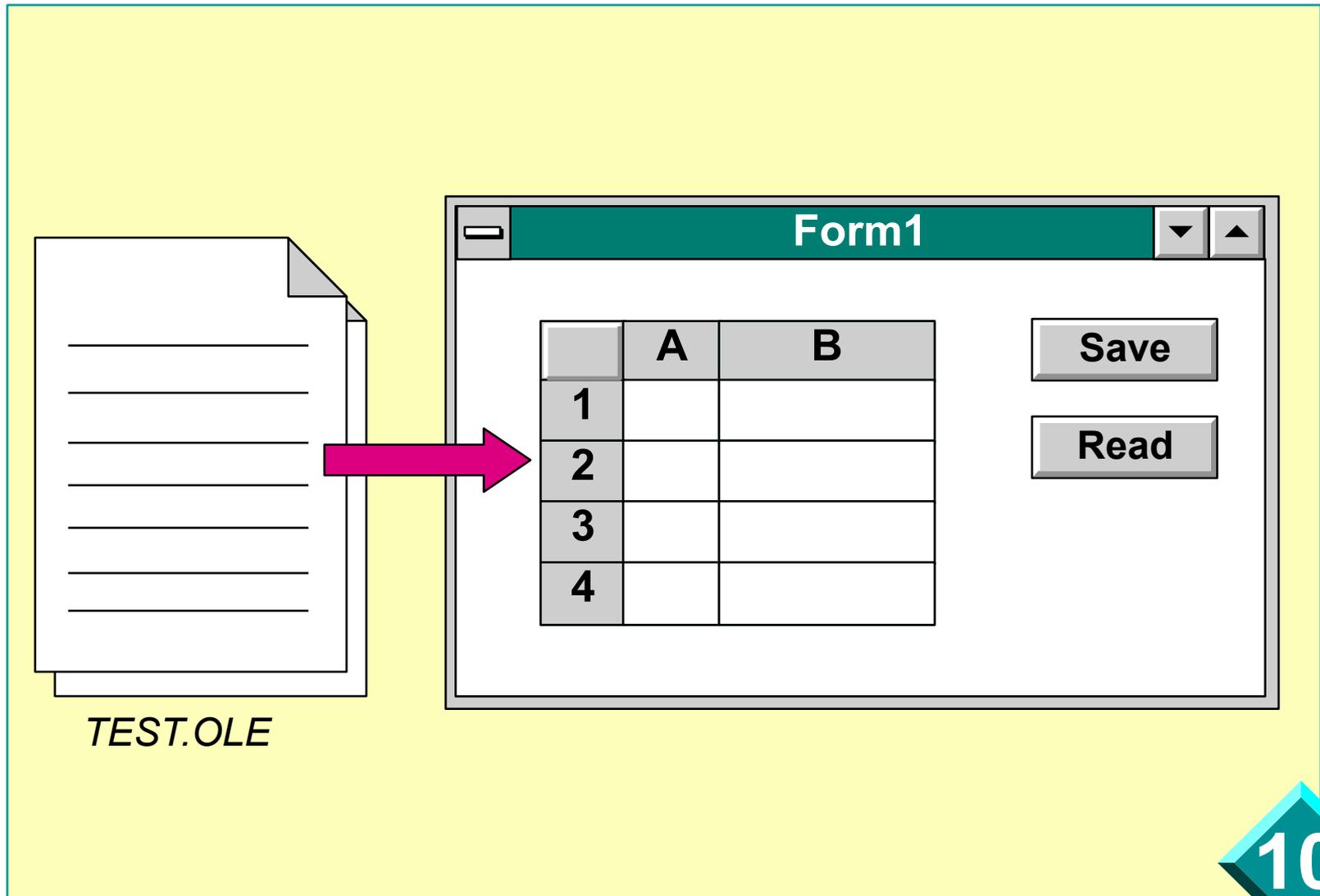
Embedding a Microsoft Excel Worksheet



The image shows a screenshot of a Microsoft Access form window titled "Form1". Inside the form, an Excel worksheet is embedded. The worksheet has three columns: an empty column, "A", and "B". The data is as follows:

	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

OleTypeAllowed Determines type of object you can create (linked, embedded, or either)

SourceDoc Name of document to link to or to embed

Sourceltem Data within SourceDoc (linked objects only)

Action Specifies an operation to perform on an OLE object

Creating a Linked Object at Run Time

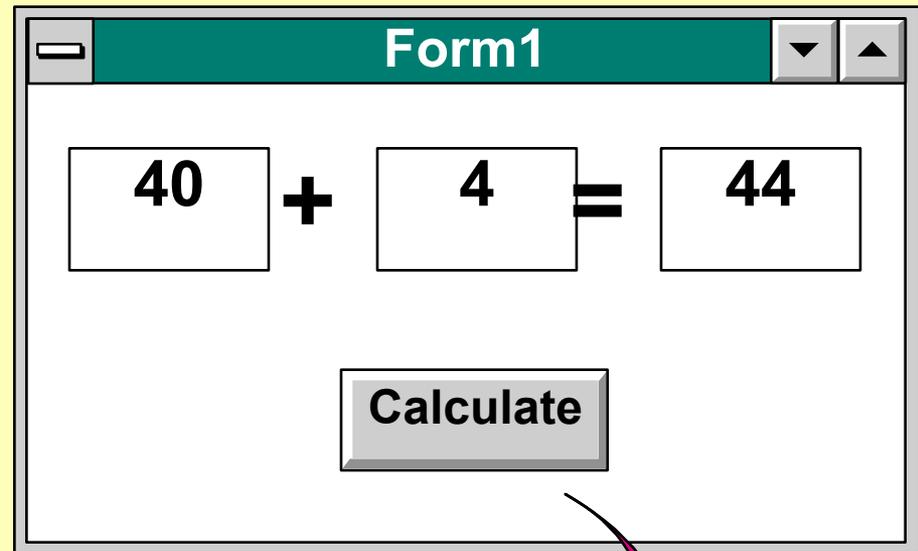
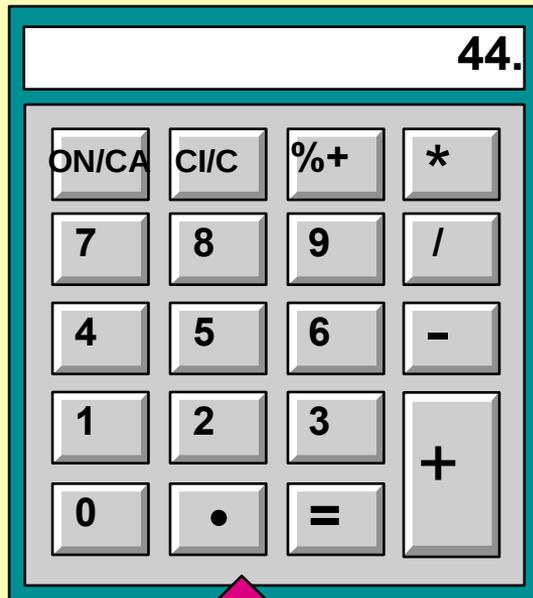
Set Properties at Run Time to Establish Link

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OLE Automation

Create Object - `CreateObject(ObjectName)`

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



`AutoServer.Eval`

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Summary

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