

# **Tutorial 7**

Working With Excel's Editing and Web Tools





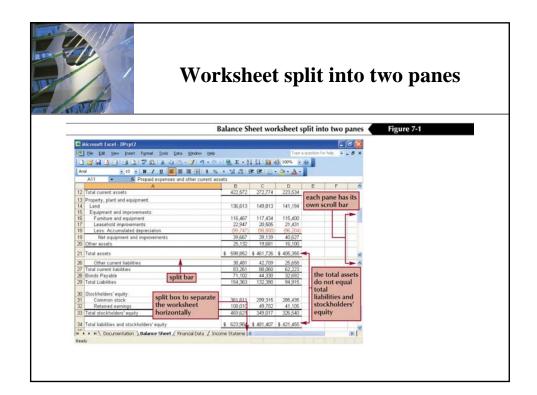
# Review

- Worksheet Group changes to one are applied to the entire group (think of all the time you can save!)
- Using 3D references to refer to cells on separate sheets
- Creating templates
- Creating links to different workbooks
- Using Lookup functions
- Workgroups (open everything at once)



## **Splitting the Worksheet into Panes**

- You can split a worksheet horizontally and vertically into panes so that up to four separate areas of the worksheet can be viewed at the same time.
- To divide the workbook window into four separate panes, you can use the Split command on the Window menu.
- The split box at the top of the vertical scroll bar or at the right end of the horizontal scroll bar splits the window into 2 panes.





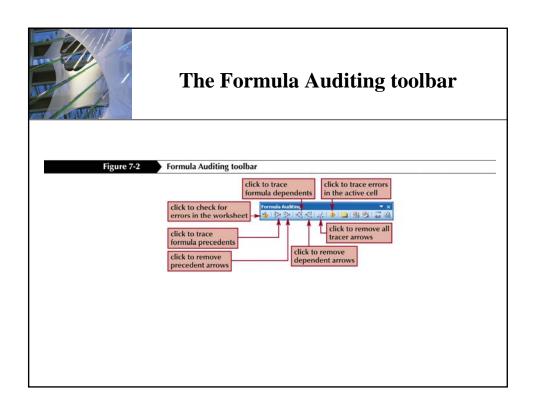
#### **Audit formulas**

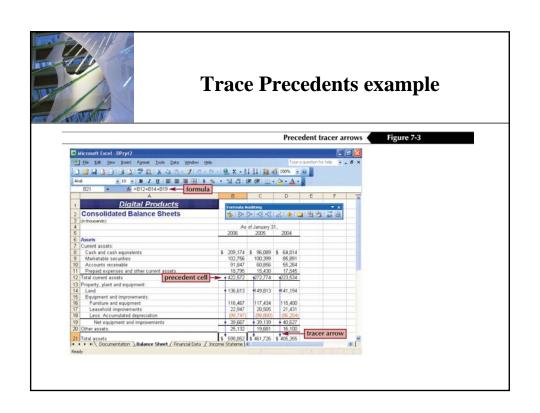
- In a worksheet, it is very important that formulas are accurate.
- If they are not, you will be presenting inaccurate results.
- Excel provides several tools for analyzing the formulas in your worksheets, including the audit feature, which allows you to check the accuracy of your formulas.

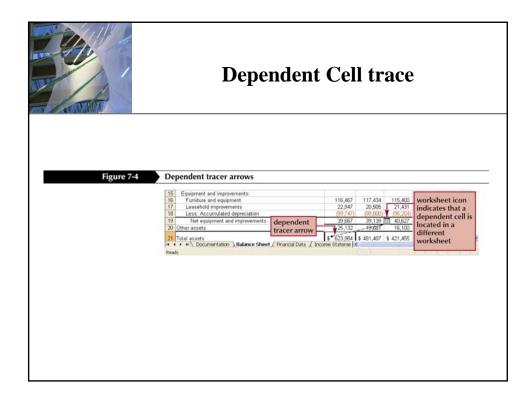


### **Use the Formula Auditing toolbar**

- Cells that are used in a formula are called Precedent Cells.
- You can use the **Trace Precedents** button on the Formula Auditing will display an arrow indicating the cells involved in the formula.
- The **Trace Dependent** button provides information about the formulas the cell is used in.









#### Trace and fix formula errors

- Worksheets often have large amounts of data in them and numerous formulas; it's quite possible to inadvertently make an error in worksheet formulas.
- Excel provides tools that will allow you to view formulas and to identify possible errors.
- You can use the Trace Error option on the Formula Auditing toolbar to produce an arrow that shows the possible source of the error.



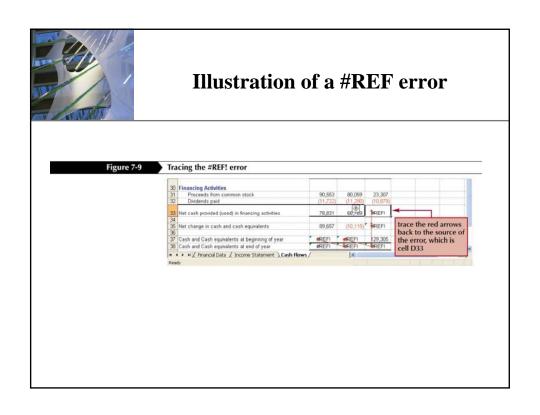
# **Use Trace Error and Show Formula features**

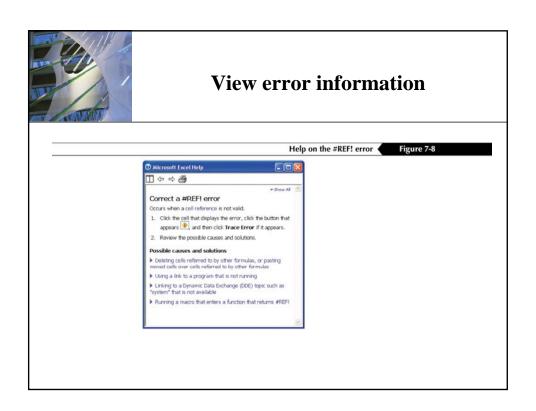
- If you view the formula in questions by following the tracer error, you can often identify the problem.
- You can then edit the formula and observe whether the error has been eliminated.
- You can also search the workbook for potential errors by clicking the Error Checking button on the Formula Auditing Toolbar.
- An additional option is to display all the formulas in a worksheet. (ctrl ~)
  - Seeing the formulas in the worksheet will often make it clear where errors have been made



## **Excel error values**

igure 7-7	Excel error values	
	Error Values	Source of Error
	#DIV/0!	The formula or function contains a number divided by zero.
	#NAME?	Excel doesn't recognize text in the formula or function, such as when the name of an Excel function has been misspelled.
	#N/A	A value is not available to a function or formula, which can occur when an invalid value is specified in the VLOOKUP function.
	#NULL!	A formula or function requires that two cell ranges intersect, but they don't.
	#NUMI	Invalid numbers are used in a formula or function, such as entering text in a function that requires a numeric value.
	#REF!	A cell reference used in a formula or function is no longer valid, which can occur when cells used by the function have been deleted from the worksheet.
	#VALUE!	The wrong type of argument has been used in a function or formula. This can occur when you supply a range of values to a function that requires a single value.

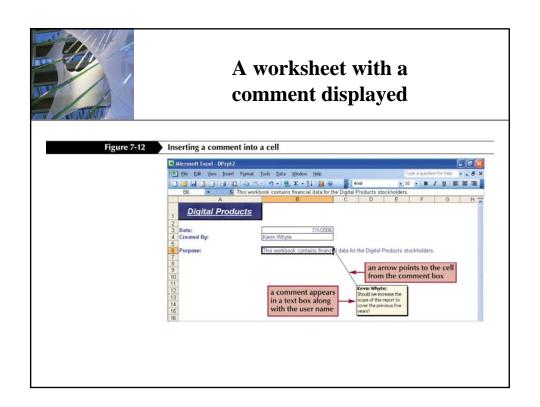






#### **Insert and edit cell comments**

- A comment is a text box that is attached to a specific cell and only displays when that cell is clicked.
- You can add comments to the worksheet or to a single cell.
- To add a comment, right-click the cell where you want the comment and then press the Insert Comment button on the shortcut menu.
- Or use the comment button on the Formula Auditing toolbar.
- As the worksheet is passed around amongst the members of a group, each person can add comments containing suggestions for change.



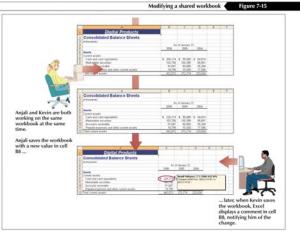


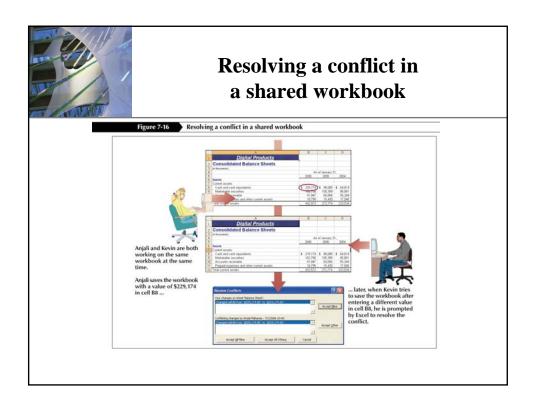
# Track, highlight, and review changes to the workbook

- Often, there will be multiple people working on a worksheet.
- If this is the case, the workbook must be made shareable by clicking the Share Workbook option on the Tools menu.
- Once a workbook becomes a shared workbook, it is important that changes made by the individual user do not conflict with changes made by other individuals.
- When multiple users are working on a workbook, they should provide comments indicating the changes they have made.
- The reviewing toolbar will allow you to track comments that have been inserted.



# Sharing workbooks can introduce document errors

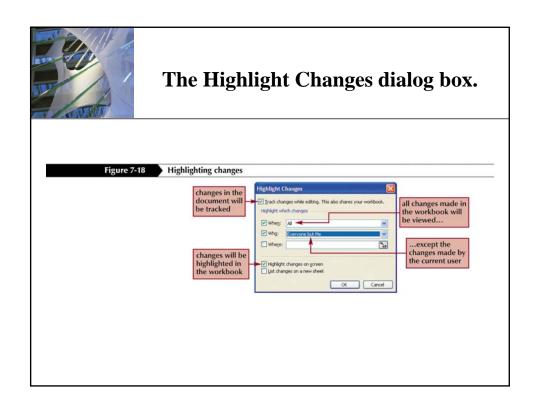


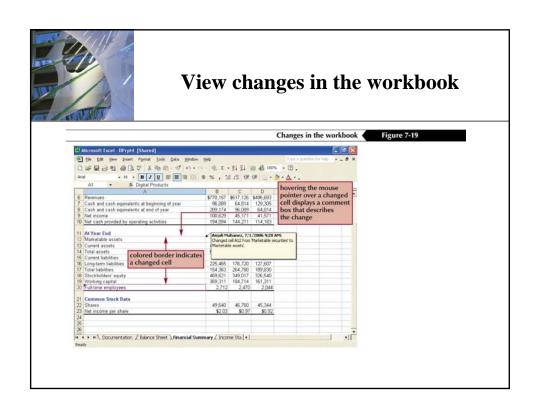


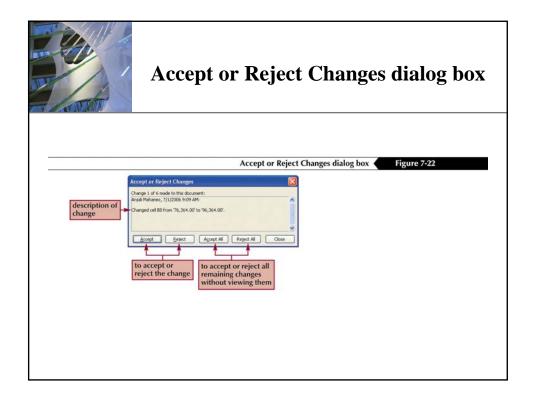


## **Use the Track Changes feature**

- You can track changes that have been made by selecting Track Changes on the Tools menu.
- You can choose to highlight changes that have been made or you can choose to list all the changes on a separate worksheet.
- Finally, you can choose to either accept or reject the changes that have been made by individual users.







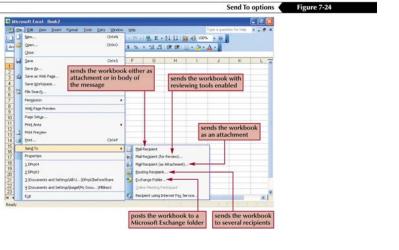


## Mail and merge workbooks

- On the File menu, you have an option to Send To a recipient(s), which would e-mail the file to reviewers.
- When you are working with multiple users of workbook(s), you may find that you have two versions of a workbook.
- One workbook could be the one you have already edited yourself and another is the same workbook but it has been edited by one of the users.
  - You may need to merge those two workbooks to reflect all the changes that have been made
  - To do this, click the Compare and Merge Workbooks option on the Tools menu
  - You can then Accept and Reject the changes



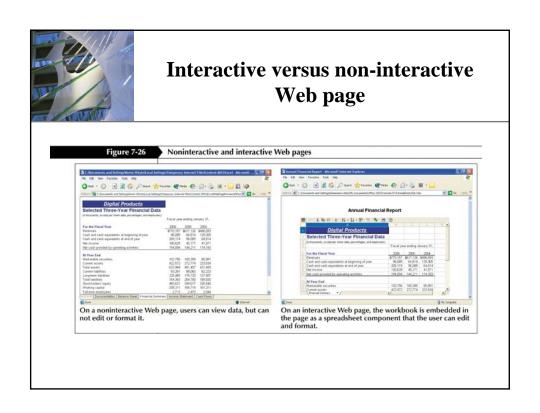
# Send To options for e-mailing a worksheet

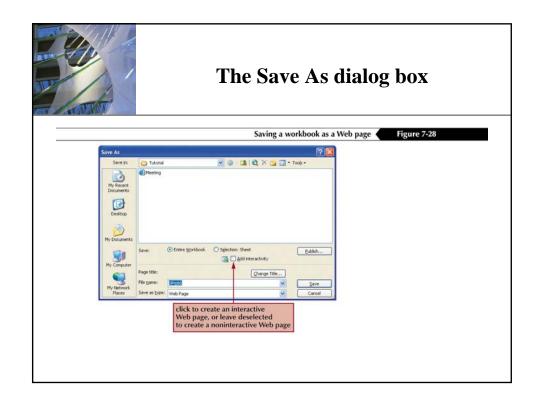




# Save the workbook as a Web page

- You can easily turn a workbook into a Web page.
  - You can choose whether the page will be static or interactive
  - A static Web page means that the data cannot be modified
  - An interactive Web page means that the data can be modified within the Web page
- When you create a Web page, Excel creates an HTML version of the workbook that can be viewed in a Web browser.
- You can save the entire workbook as a Web page or you can save just one worksheet.
- All of these choices can be made by clicking the Save as Web Page option on the file menu.







### Create and edit hyperlinks

- Hyperlinks are clickable text that cause another page to be opened in the Web browser.
- You can easily add a hyperlink to a Web page by clicking the Hyperlink option on the Insert menu.
- You can also set up Excel's Web options so that various browsers are supported by the Web pages you create.
- If you have users who use different browsers, it is a good idea for you to consider setting this option so that it supports whatever browsers your viewers will use.

