Tutorial 5

Lists



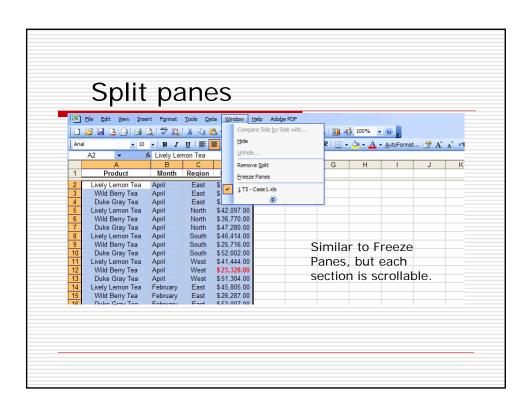
Lists

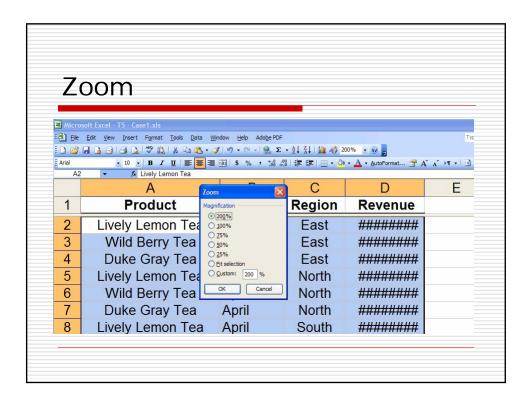
- □ Excel provides features that allow you to maintain lists of information such as customer lists, telephone lists, inventory lists, and so on. An **Excel list** is a collection of rows and columns that contain similar data.
- □ In a worksheet, each column represents a field of data and each row represents a record of data. The first row of the list always contains the name of the fields and is called a field header row.

Freeze rows and columns



- worksheet, you can move data off the screen.
- ☐ If you prefer to have portions of data remain on the screen at all times, such as the column and/or row headings, you can freeze a portion of the list so that it remains while the rest of the data scrolls.
- To freeze rows and columns:
 - Click in a cell to select it
 - Click Window on the menu bar, and then click Freeze Panes to freeze the rows above the selected cell, and the columns to the left of the selected cell
 - Excel will display dark vertical and horizontal lines to indicate the rows and columns that are frozen





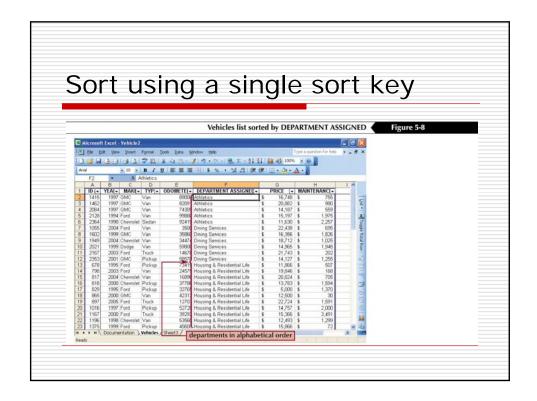
Find and replace values in a worksheet (under Edit menu)

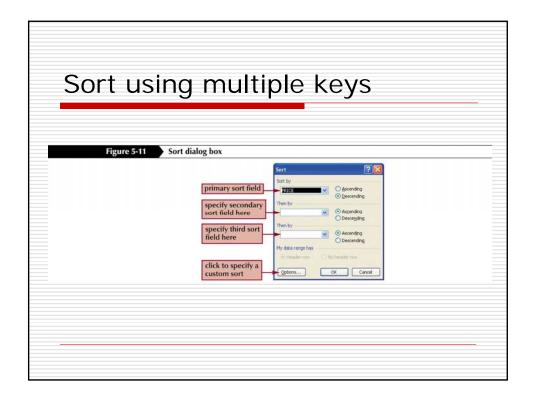
- •The Find command allows you to search through the data in a worksheet for a particular character string.
- Optionally, you can choose to replace the character string with another string.
 - •For example, you might want to find every occurrence of ACCT and replace it with Accounting. (Called Find and Replace)



Sort data in a list (Data Menu)

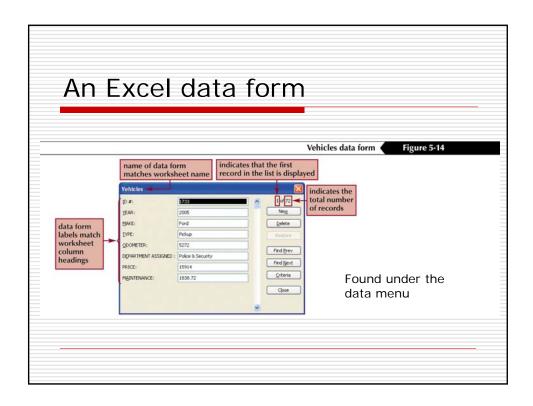
- □ Excel makes it easy to sort a list in ascending or descending order based on any field(s) in the list.
- □ The field(s) selected on which to sort are called the sort fields or the sort keys.
- ☐ You may choose to sort the data on a single field or on a collection of fields.



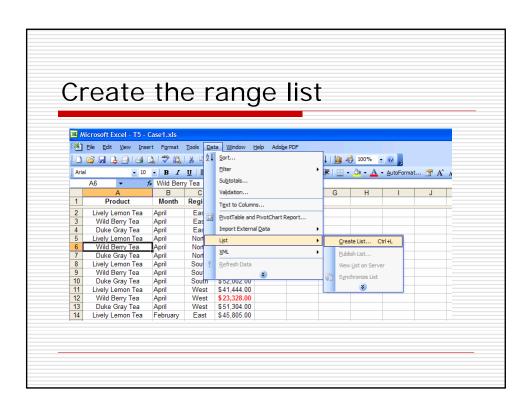


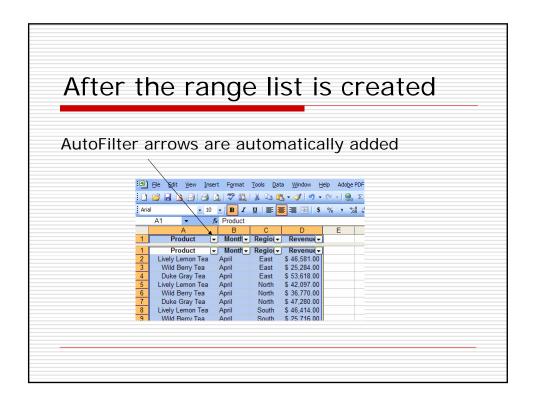
Use a data form to enter, search for, edit, and delete records

- ☐ Sometimes it is easier to view the data in a list through a data form. A data form is a dialog box that you can use to arrange data to view one record at a time.
- ☐ You can use the data form to display records, to search for records, to modify records, and to delete records from the Excel list.
- ☐ Use "criteria" to view specific records.



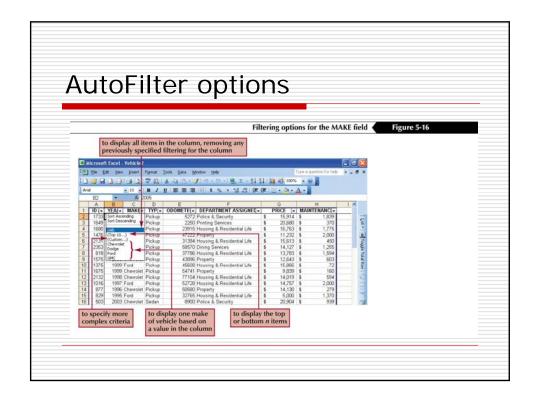
To create a List Range ☐ Click on desired cell within list ☐ Click Data on menu and point to List ☐ Click on Create List option ☐ Click OK to accept settings in dialog box





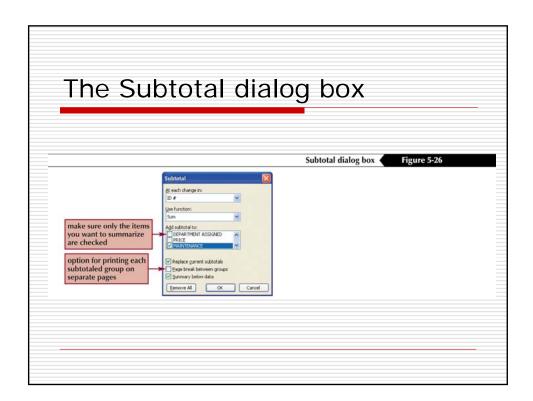
Filter data in a list using AutoFilters

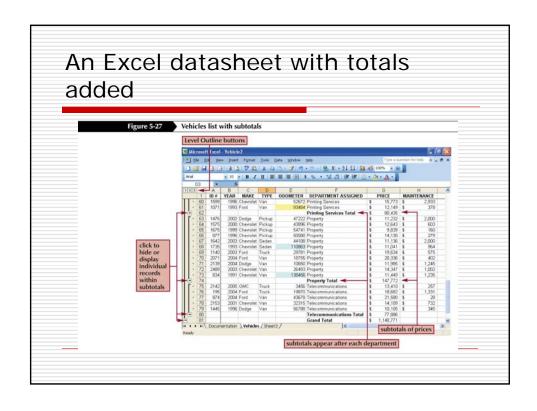
- □ Sometimes you will want to see a portion of the records instead of all of them.
- ☐ The processing of displaying only those records that meet some criteria is called Filtering.
- ☐ When data in the list is filtered, records that do not meet your criteria are hidden.
 - These records are not removed from the list and, therefore, can be redisplayed by removing the filter
- ☐ Simple filters can be specified by clicking the list arrow on any field name cell.
- More complex filters must be created using the Custom AutoFilters option.



Insert subtotals into a list

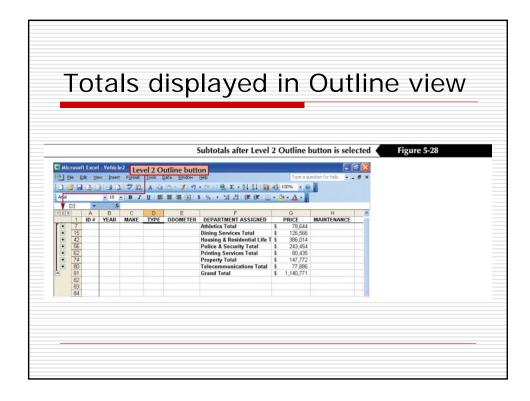
- ☐ The data in a list can be summarized by adding subtotals to the list.
- ☐ You can include summary information such as a count, a sum, an average, a minimum value, and or a maximum value.
- ☐ When the Subtotals command is applied to the list, a subtotal row is automatically added to the list.
- ☐ You can specify that you want the subtotal(s) to apply to the worksheet and/or groups within the worksheet.





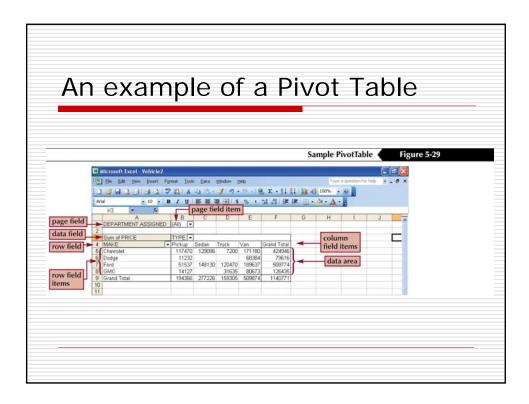
Use the subtotals outline view

- ☐ Previously you learned about creating subtotal lines within a worksheet.
- □ Sometimes, it might be more beneficial to view the summary information only.
- ☐ You can do this by displaying the data in Subtotals Outline View.
- ☐ You may choose from Level 1, Level 2, and Level 3 outline view.



Summarize a list using a PivotTable and a PivotChart

- □ difficult to analyze the data.
- □ A PivotTable report provides a meaningful summary of the data in an organized manner.
- ☐ In the PivotTable, data is summarized into categories of data.
- □ A PivotChart is associated with a PivotTable report.
- □ To create the PivotChart you must specify the data fields to be included in the chart as well as the category fields.



Plan a Pivot Table

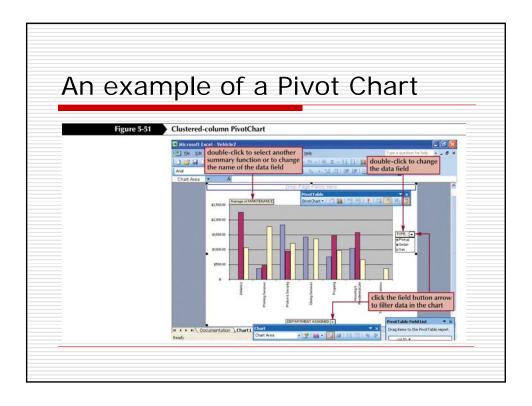
- □ Creating a PivotTable requires pre-planning of the data you would like to see summarized in the PivotTable.
- ☐ It is often a good idea to create a plan and even sketch the desired table.
- ☐ This will help you decide which fields should be placed in the row, column, and data placeholders when running the wizard.

Create a pivot table

- □ Select Pivot Table/Chart Wizard from under data menu
- Choose either table or chart
- □ Also specify data source (Excel list, or Access database, etc.)
- verify data range
- □ specify location of table/chart
- complete layout on worksheet or choose layout tab

Modify a Pivot Table

- □ After the PivotTable is created you can change the layout of the table.
- ☐ You may want to make changes to the formatting, sort the data, add a field, or add a Page View.
- ☐ You can also easily turn the PivotTable into a chart by clicking the Chart button while the cursor is anywhere in the PivotTable.



Keep in mind...

- ☐ Formatting: Cell, Column, Row formatting is as expected
- ☐ AutoFormat will list formats specific for Pivot Reports
- ☐ Changing the layout: drag fields under arrow to add or off table to delete
- □ Page view allows filters
- ☐ Hide fields by clicking on list arrow then clearing check box
- ☐ You cannot directly change data in a pivot table!!!

 Use form to edit, add, delete data then click refresh button on Pivot Table toolbar.