CE94930—Introduction to Visual BASIC

- Review

- Control arrays

- MDI -- Multiple Document Interface

Private procedures

- Form-based code is hidden
- Code-only procedures are visible
- Keyword "private" preceding sub/function hides code

Phone List Exercise

- Possible solution
- Demonstration

Control arrays

- Many similar/related controls
- Only one event procedure
- Additional argument indicates which "element" in "array"
- Example

Dynamic controls

- Create new controls at run-time
- Based on control-array
- Typical usage: user customization of applications (toolbars, menus)
- Examples

Multiple Document Interface

- MDI - standard Windows container technique

- FileManager, ProgramManager, Word...

- "Document-centered" applications

MDI forms

- Child forms: MDIChild property
- Child forms restricted to inside of MDI parent; scroll bars automatic
- MDI parent acquires menu-bar of child
- Only control is PictureBox
- Closing form closes all children

Dynamic MDI Children

- Static children not much use for "document-centered" approach
- Create child forms at run-time:
  dim new_one as form
  set new_one = new MyChildForm
- Dynamic forms get own variables
- Window-list menu
- MDI form method: arrange