

# 7.2

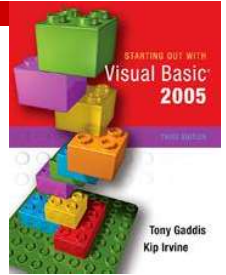
## Standard Modules

A Standard Module Contains Code  
- Declarations and Procedures -  
That Are Used by Other Files in a Project



# Standard Modules

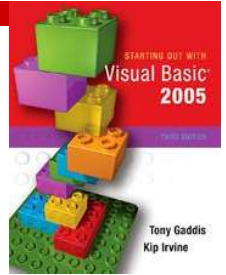
- A separate .vb file not associated with a form
- Contains no Event Procedures
- Used for code to be shared by multiple forms
- Procedures or variables used by one form should be declared in that form
- Procedures or variables used by many forms should be declared in a standard module



# Standard Module Syntax

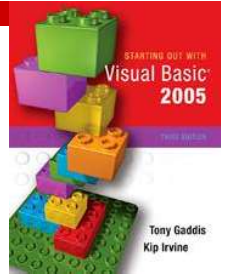
```
Module ModuleName  
    [Module Contents]  
End Module
```

- *ModuleName* is normally same as .vb file
- Module Contents are sub procedures and functions which can be
  - Private - only used by functions in that module
  - Public - can be called from outside of the module
- If not specified, a procedure is public



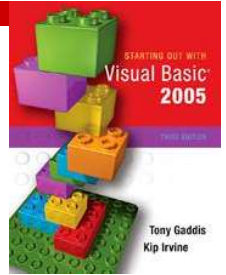
# Adding a Standard Module

- Click *Add New Item* on the toolbar
  - Or *Project* on menu, then *Add Module*
- *Add New Item* dialog box appears
- Click on *Module* under *Templates*
- Change the default name if you choose
- Click the *Open* button
- A new empty module now appears in:
  - Code window
  - Solution Explorer



# Module Level Variables

- These are declared within a module
- But outside of any functions or sub procedures in that module
- If declared Dim or Private, the scope is the module (called *module scope*)
- If declared Public, the scope is the entire application (called *global scope*)
- Tutorial 7-3 demonstrates the use of a standard module in an application



# Application with No Startup Form

- Must change the startup form to *Sub Main*
- *Main* must be a public sub procedure
- It must be in a standard module
- When the application starts
  - No Form will be displayed
  - *Main* will be given control