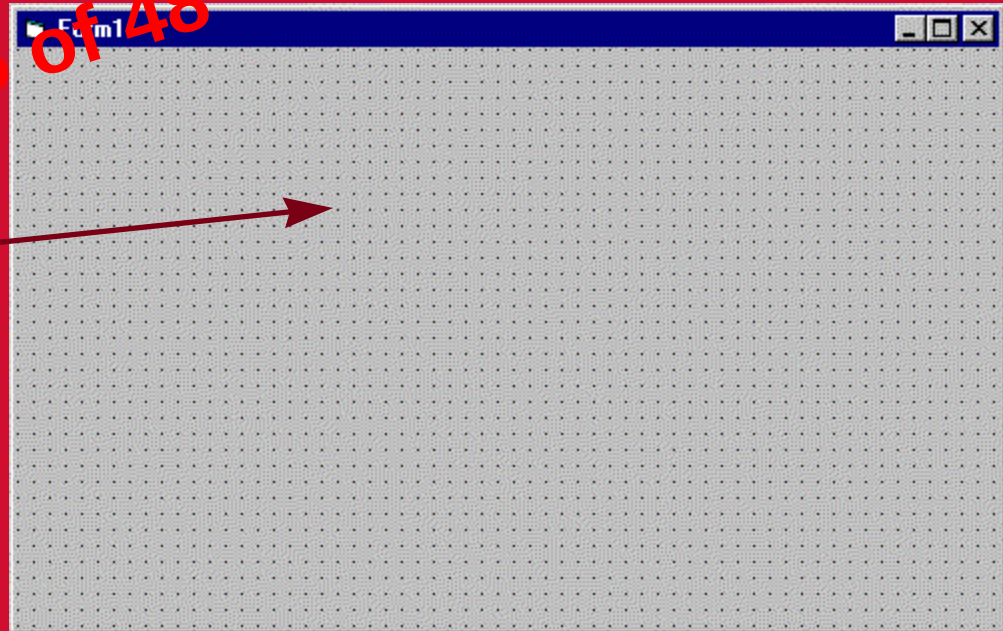


The Visual Basic Interface

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Draw Your
Program
Here!



Drawing The Program

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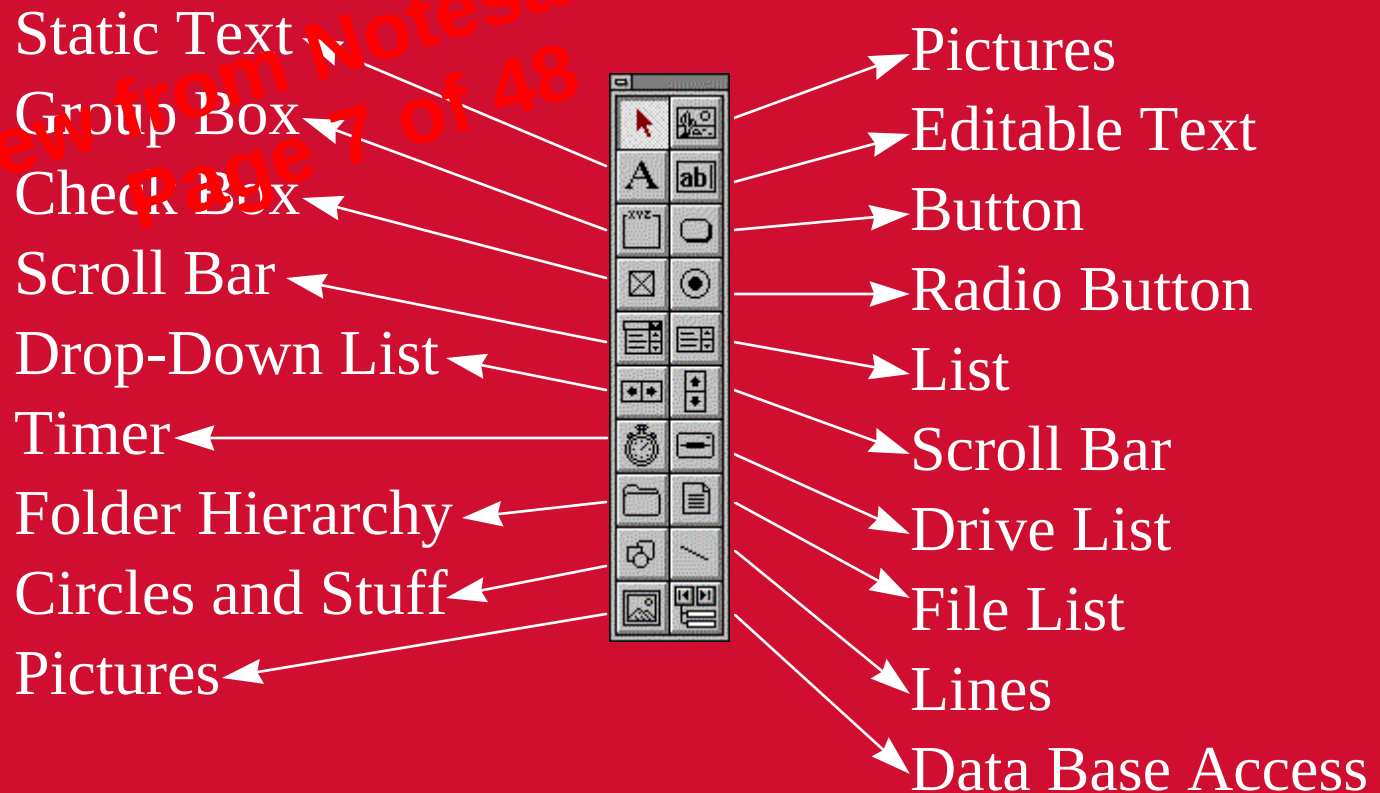
Select A Control From Here

(Click on the appropriate button)

Then Draw the control on the form



Types of Controls



And the List Goes On and On ...

C Definition vs. VB Definition

C:

long FAR PASCAL _export *HexToLong* (**char ****Hex*)

VB:

Declare Function *HexToLong* **Lib** "*FIRSTONE.DLL*"
(ByVal InString As String) As Long

Function Name Must Be The Same in Both Declarations.
The Lib keyword Must Give The Name of the Library.
Argument Name in VB is arbitrary.

Alternative Methods

- ★ Some Versions of VB do not allow DLL function definitions in the (*general*) section of a form.
- ★ To Get Around this Problem, Create a new Module (File Menu)
- ★ Add the declarations to the (*general*) section of the module
- ★ You can add your own VB functions to the (*general*) section of a form or a module.

More VB Syntax

★ Use Integers for Booleans

- As in C, 0 = False, everything else = True
- Symbolic constants True and False may be used
- True = -1, False = 0

★ Assignments are the same as in C

★ The Val function converts strings to integers

★ The Format\$ function converts integers to strings



VB Arrays

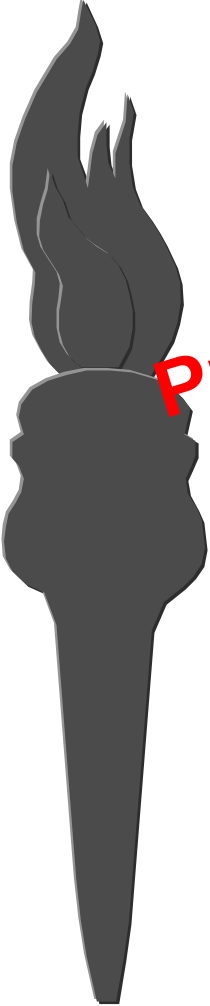
- ★ Indices Always Start With Zero
- ★ *Dim A[10] As Integer* Declares 11 elements, indexed from 0 through 10.
- ★ Multi-Dimensional Arrays are Permitted.
- ★ Arrays can be resized at run time (See VB Help File for *ReDim*)



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Why Visual Basic?

- 
- ★ Programming for the Windows User Interface is extremely complicated.
 - ★ Other Graphical User Interfaces (GUI) are no better.
 - ★ Visual Basic provides a convenient method for building user interfaces.
 - ★ Visual Basic can interface with code written in C, for efficiency.
- 