Presentation Saying

Slide 3 – Typical Uses

* Visual basic is generally considered a beginner programmers language because it is very simple to learn and use
* It’s very intuitive
* Its meant to simplify windows applications
* Also good for making games such as tic tac toe

Slide 5 – Implementation type

* Visual Basic both interprets and compiles your code
* Microsoft Access interprets your code in the background
* But to output something the interpreted code must be compiled by Access
* This creates a pseudo code that can be run much faster than a regular interpreted programming language
* This is very similar to how java implements its code

Slide 7 – Data binding

* A new function of Visual basic is that it binds nearly all of its data types at runtime
* It can bind any data source to any data consumer, which are just objects
* You can also create your own data source that can be bound to any data consumer
* Since you can bind anything at run time, Visual basic has a strong type checking

Slide 8 – Scoping Behavior

* There are 4 types of scoping
* Block Scoping is a variable being bound to a small block of code like a loop or a try/catch block
* There is Procedure scope which is a local variable. The code is available to the sub or function its created in
* There is module scope which is a global variable. The code is available to the class or module that it is created in. These default to private.
* Finally is namespace scope. This is implemented using the keywords “public” or “friend”. Public is open to all code In the program but declaring something a friend gives it access to all variables in the friend namespace.
* As you can see here this method is being declared a friend, and then it references a friend variable

Slide 10 – Sub programs & Package Facilities

* Because Visual Basic is created by Microsoft it is open to all Microsoft packages as well as Microsoft’s APIs
* Visual Basic uses subprograms called subs that are very similar to functions in C++.
* They begin with this simple syntax down here
* And they end at the first return, “End Sub”, or “Exit Sub” statement