

# Discovering Visual Basic



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|  | **Lessons** |
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* Lesson 1 -[Creating a Visual Basic Application](http://docs.google.com/create_app.html)
* Lesson 2 -[Data Structures](http://docs.google.com/data_struct.html)
* Lesson 3 -[Getting User Information](http://docs.google.com/user_info.htm)
* Lesson 4 -[Functions](http://docs.google.com/functions.html)
* Lesson 5 -[Branching(Testing) and Repeating(Looping) Statements](http://docs.google.com/branch_repeat.html)
* Lesson 6 -[Error Trapping](http://docs.google.com/error_trapping.html)
* Lesson 7 -[Programming Style](http://docs.google.com/programming_style.html)
* Lesson 8 -[Pull Down and Popup Menus](http://docs.google.com/menus.html)
* Lesson 9 -[Using Timing events in Visual Basic](http://docs.google.com/usingtimer.html)
* Lesson 10 -[Variable Scope](http://docs.google.com/scope.html)

|  | **Tutorials** |
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* Tutorial 1 - [Exploring the Visual Basic Environment](http://docs.google.com/tut1.html)
* Tutorial 2 - [Understanding Events](http://docs.google.com/tut2.html)
* Tutorial 3 - [Command Buttons, Option Buttons and Check Boxes](http://docs.google.com/tut3.html)
* Tutorial 4 - [List Boxes and Combo Boxes](http://docs.google.com/tut4.html)
* Tutorial 5 - [Menus and List manipulation](http://docs.google.com/tut5.html)
* Tutorial 6 - [Creating and Using Arrays of Controls](http://docs.google.com/tut6.html)
* Tutorial 7 - [Vertical & Horizontal Scroll Bars](http://docs.google.com/tut7.html)
* Tutorial 8 - [Working with Multiple Forms](http://docs.google.com/tut8.html)
* Tutorial 9 - [Working with Files](http://docs.google.com/tut9.html)
* Tutorial 10- [Animation and Graphics](http://docs.google.com/tut8b.html)
* Tutorial 11 - [Incorporating Sound](http://docs.google.com/tut11.html)

|  | **Projects** |
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You are free to download these files and use them �as is� or alter them in any way (copyright free). To use these files with Visual Basic 5.0 you should click on the appropriate file title, specify a file name in the dialog box that appears and then exit the web browser..

### Visual Basic 5.0 Projects:

* [**Access 97 Databases**](ftp://ftp.dcs.napier.ac.uk/pub/s.wilkinson/VB50/database.zip) (22K)  
  Writing a Visual Basic front-end to an Access 97 database.
* [**Animation**](ftp://ftp.dcs.napier.ac.uk/pub/s.wilkinson/VB50/animate.zip) (58K)  
  How to incorporate graphics on a form and to use animation.
* [**Graphs**](ftp://ftp.dcs.napier.ac.uk/pub/s.wilkinson/VB50/graph.zip) (3K)  
  An example which shows how to alter the values of various points on a graph and how to control the type of graph (e.g. bar chart, line graph, polar, etc.).
* [**FlexGrid**](ftp://ftp.dcs.napier.ac.uk/pub/s.wilkinson/VB50/flexgrid.zip) (4K)  
  An example which shows a spreadsheet-like computer inventory which allows products to be added or deleted.
* [**MDI Interface**](ftp://ftp.dcs.napier.ac.uk/pub/s.wilkinson/VB50/mdi.zip) (3K)  
  A basic example of how to create an MDI text editor. This example also includes basic clipboard functionality to copy and paste text.
* [**Pocket Map of Europe**](ftp://ftp.dcs.napier.ac.uk/pub/s.wilkinson/VB50/map.zip) (117K)    
  This example demonstrates how the *PictureClip* and *Picture* controls can be used together to scroll around a large image.
* [**Theatre Booking System**](ftp://ftp.dcs.napier.ac.uk/pub/s.wilkinson/VB50/theatre.zip) (18K)  
  An example which uses two separate option button groups (using frames) and a spin button linked to a text box.
* [**Tic Tac Toe**](ftp://ftp.dcs.napier.ac.uk/pub/s.wilkinson/VB50/tictactoe.zip) (3K)  
  This game is used to demonstrate drag & drop, control arrays and programmer-defined functons.

|  | **Assignments** |
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* Company Name - [1st Assignment](http://docs.google.com/ass1.html)

|  | **Tests and Quizzes** |
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* [Quiz 1](http://docs.google.com/quiz1.html)-(Lessons 1-2)
* [Quiz 2](http://docs.google.com/quiz2.html)-(Lessons 3-4)
* [Quiz 3](http://docs.google.com/quiz3.html)-(Lessons 5-6)
* [Test 1](http://docs.google.com/test1.html)-(Lessons 1-6)
* [Quiz 4](http://docs.google.com/quiz4.html)-(Lessons 7-8)
* [Quiz 5](http://docs.google.com/quiz5.html)-(Lessons 9-10)
* [Test 2](http://docs.google.com/test2.html)-(Lessons 7-10)

|  | **Internet Resources** |
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### VB Web Sites:

* [Visual Basic Home](http://msdn.microsoft.com/vbasic/default.asp) at Microsoft
* [Visual Basic Web Directory](http://www.vb-web-directory.com/) - links to just about every web site concerned with VB programming

### Other Web Sites:

* [activex.com](http://www.activex.com/) - a large online library of ActiveX components.

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