RUBY FOR PROGRAMMERS

This cheat-sheet accompanies the Bitwise Courses course on *Ruby For Programmers* by Huw Collingbourne.

Web sites & Resources

DOWNLOADS

On a Mac, you may already have a Ruby interpreter installed. On Windows you will need to download a Ruby interpreter. You may also want to download some documentation and an editor or IDE (Integrated Development Environment). For Windows, I recommend downloading everything from http://rubyinstaller.org/

RUBY INTERPRETER

You can download the latest version of Ruby from http://www.ruby-lang.org. Alternatively (**recommended** on Windows) download a complete set of Ruby development software and documentation from http://rubyinstaller.org/. If you plan to do web development with the Rails framework, you can download Ruby and Rails for Windows or Mac from http://railsinstaller.org/en

IDES AND EDITORS

There are numerous editors and IDES that support Ruby. Here are a few…

SciTE – multi-language code editor.
http://www.scintilla.org/SciTE.html

Komodo Edit – free multi-language editor
http://komodoide.com/komodo-edit/

RubyMine – vcommmercial IDE
https://www.jetbrains.com/ruby/

RADRails – open-source Ruby On Rails IDE:
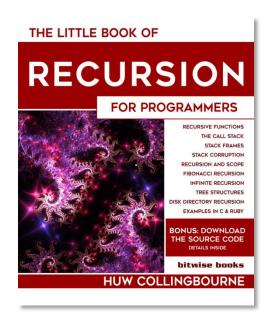http://www.aptana.com/products/radrails.html

The documentation for the Ruby class library is located here: http://ruby-doc.org/

Browse the library alphabetically here: http://ruby-doc.org/stdlib-2.2.1/

You can also download the documentation here: http://ruby-doc.org/downloads/

Little Programming Books

You may be interested in some of the programming books written by Huw Collingbourne (the author of this course). To keep up to date with available titles, go to the Bitwise Books web site: http://www.bitwisebooks.com. *The Little Book Of Recursion* explains recursive functions in depth. It is available from Amazon (US), Amazon (UK) and worldwide (ISBN: 978-1-913132-05-7).

The Little Book Of Recursion

- Recursive Functions
- The Call Stack
- Stack Frames
- Stack Corruption
- Recursion and Scope
- Fibonacci Recursion
- Infinite Recursion
- Navigating Tree Structures
- Recursing class hierarchies
- Disk Directory Recursion
- Examples in C, Ruby, C#
- Applies to all mainstream languages

Bonus: Download the source code

Free Resources

In addition to my books, I also publish an 'online magazine' called *Bitwise Mag*, which contains lots of articles and software reviews:
http://www.bitwisemag.com/

The *Bitwise Books* blog contains articles and videos on various programming topics:
http://bitwisebooks.com/blog/

And you can also sign up for free programming resources (PDF articles) delivered to your inbox:
http://bitwisebooks.com/

Best wishes
Huw
(*Bitwise Courses instructor*)