Learning Ruby - 8

Exploiting Libraries

Ruby's Built-in Libraries

- There's a large collection of standard libraries provided with Ruby
- The PickAxe provides a comprehensive survey of what's available
- The Internet hosts a number of Ruby Library
 Repositories, with The Ruby Application
 Archive (RAA) and RubyForge the most popular
- The move is on to use RubyGems as the standard library management tool
- Don't reinvent the wheel (life is far too short) use Ruby libraries whenever you can

Example Library - Base64

Example Library - Date

Example Library - Digests

Example Library - Find

```
require 'find'
Find.find( "/home/barryp/ruby/bin" ) do |fh|
    print "\t#{fh}\n"
end # of do.
```

Example Library - Readline

```
require 'readline'
input = Readline::readline( "Gimme some: ", true )
puts input
input = Readline::readline( "Gimme some more: ", true )
puts input
```

Example Library - Readline (again)

```
require 'readline'
include Readline
input = readline( "Gimme some: ", true )
puts input
input = readline( "Gimme some more: ", true )
puts input
```

Example Libraries - Windows

```
require 'Win32API'
# Do your worst ...
require 'win32ole'
browser = WIN320LE.new( "Firefox.Application" )
browser.visible
browser.navigate( "http://www.google.com" )
```

Example Library - Zlib

```
require 'zlib'
Zlib::GzipWriter.open( "ruby.gz" ) do |chunk|
     chunk.write( File.read( "ruby.data.txt" ))
end # of do.
require 'zlib'
File.open( "ruby.gz" ) do |fh|
     gzip = Zlib::GzipReader.new( fh )
     chunk = gzip.read.split( /\n/ )
     puts chunk
end # of do.
```

More ... Ruby So Far

- Get the know the standard libraries
- Get to know the on-line repositories
- Reuse whenever possible
- Share your work with others upload your libraries to the repositories