Ruby Practical

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1 Basic Exercises

- Load Ubuntu 12.04 image into VirtualBox and start it (unless you have a Linux distribution already installed or you intend to work in Windows or Mac)
 - Password for Ubuntu is: eia-2013
- 2. Check system's Ruby version
- 3. Run interactive ruby and try some commands
- 4. Install Ruby Version Manager (RVM) and install ruby 2
 - \$ rvm list known
- 5. Make a new directory, "pdf_generator" that will represent your project
- 6. Create an RVM configuration (Ruby version and gem set) only for that project
- 7. Create a simple program that accepts a single text file as an argument and generates a pdf file from it
 - \$ to_pdf.rb text_file.txt
 - Check www.ruby-toolbox.com
- 8. Make a project to generate QR codes out of a URL
 - Check http://en.wikipedia.org/wiki/QR_code
- 9. Create a project with two classes to capture books and authors and the relationships between them
 - write a driver program to test them
 - initially one to many relationship only
 - use proper variable initialization with meaningful default values
- 10. Create a project simulate basic file and directory commands
 - \$ basic_shell.rb <cmd> <param1> <param2> ...
 - optparse library
 - \bullet see eval, method_missing, metaprogramming for more advanced implementation