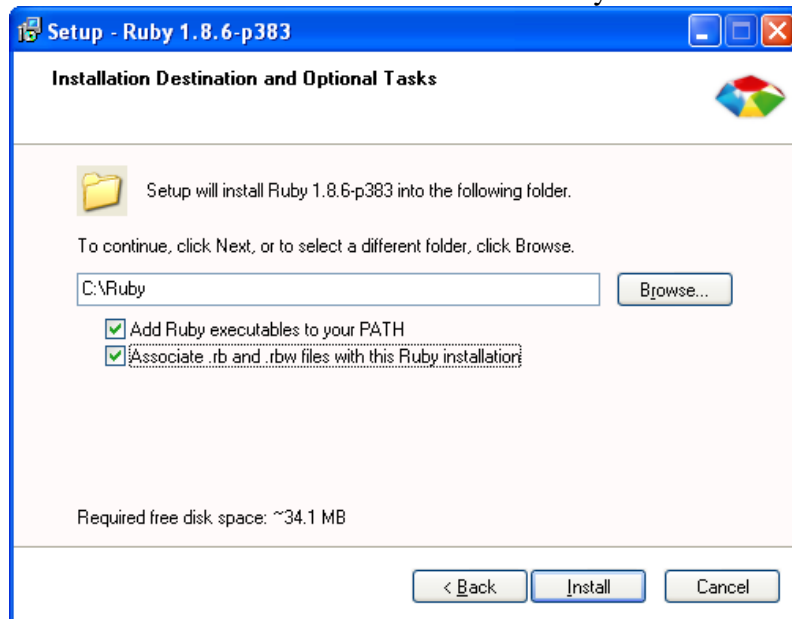
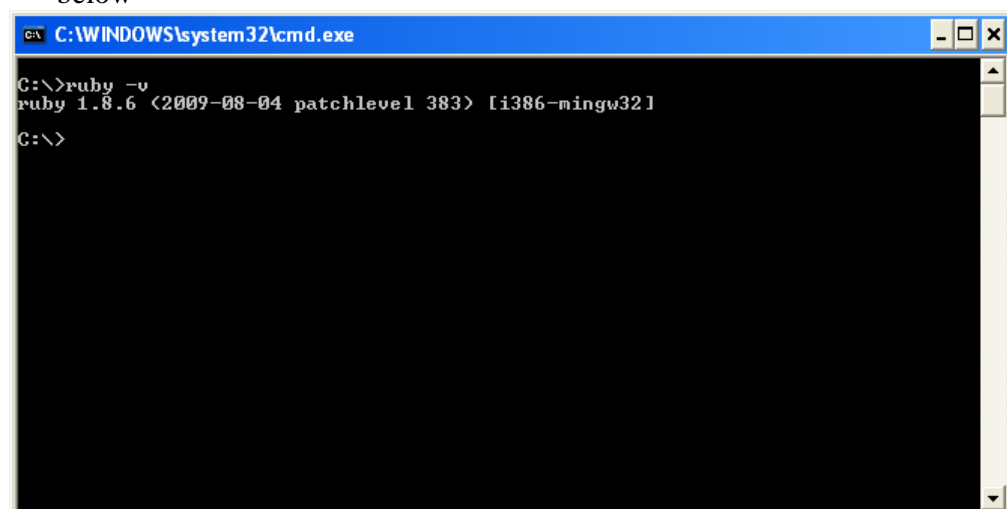


The first part of this install overview is taken from the three step process as described on rubyonrails.org/download. Install Ruby, install RubyGems, and finally install Rails

1. Install Ruby – the one click installer for windows
 - a. Go to http://rubyforge.org/frs/?group_id=167 which is also accessible from rubyonrails.org
 - b. Choose `rubyinstaller-1.8.6-p383-rc1.exe`. Yes there are newer versions but this version works well with Rails
 - c. When running the Setup, click on “Add Ruby executables to your PATH” and “Associate .rb and .rbw files with this Ruby installation”

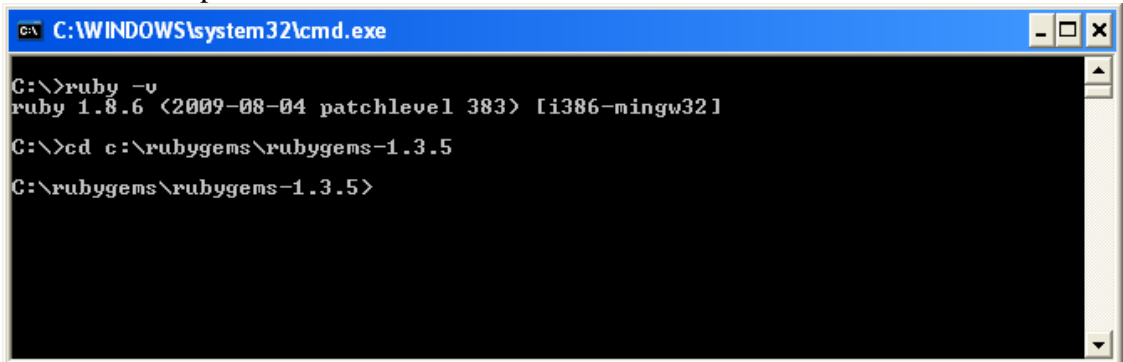


- d. Install, then finish
 - e. For confirmation of Ruby install, open up a command prompt and type `ruby -v`. You should see the version information like the screenshot below



2. Install RubyGems

- Download the .zip file from http://rubyforge.org/frs/?group_id=126
- Select version 1.3.5: rubygems-1.3.5.zip. You can download this to any location on your computer. I downloaded the zip to my desktop
- Extract the contents of the zip file anywhere. I created a folder in my C:\ drive called rubygems and extracted it there but it doesn't matter where you put it. Just make sure you can get to it from the command prompt
- From the Command Prompt navigate into the directory where you extracted the .zip file



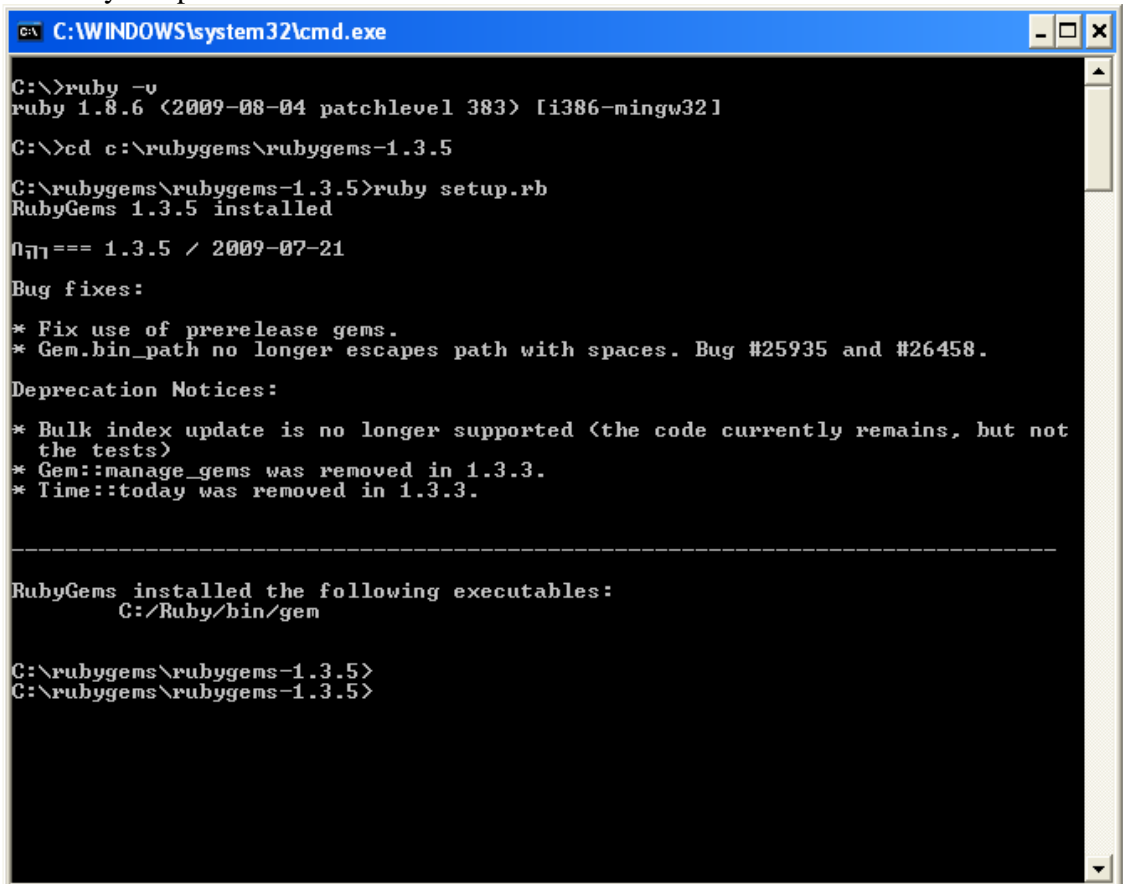
```
C:\WINDOWS\system32\cmd.exe

C:\>ruby -v
ruby 1.8.6 (2009-08-04 patchlevel 383) [i386-mingw32]

C:\>cd c:\rubygems\rubygems-1.3.5

C:\rubygems\rubygems-1.3.5>
```

- Run ruby setup.rb



```
C:\WINDOWS\system32\cmd.exe

C:\>ruby -v
ruby 1.8.6 (2009-08-04 patchlevel 383) [i386-mingw32]

C:\>cd c:\rubygems\rubygems-1.3.5

C:\rubygems\rubygems-1.3.5>ruby setup.rb
RubyGems 1.3.5 installed

0.0.1 == 1.3.5 / 2009-07-21

Bug fixes:

* Fix use of prerelease gems.
* Gem.bin_path no longer escapes path with spaces. Bug #25935 and #26458.

Deprecation Notices:

* Bulk index update is no longer supported (the code currently remains, but not
  the tests)
* Gem::manage_gems was removed in 1.3.3.
* Time::today was removed in 1.3.3.

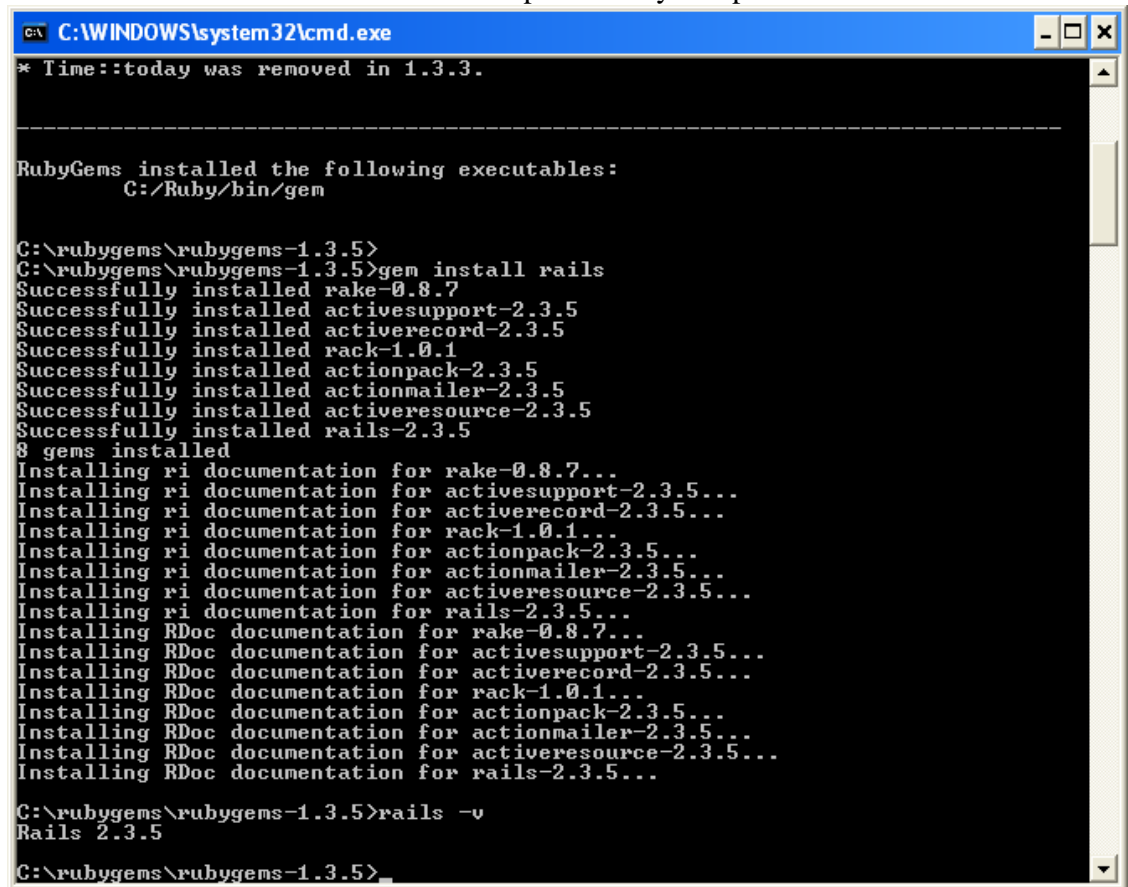
-----

RubyGems installed the following executables:
  C:/Ruby/bin/gem

C:\rubygems\rubygems-1.3.5>
C:\rubygems\rubygems-1.3.5>
```

3. Install Rails

- a. From the command prompt type `gem install rails`
- b. Be Patient: It took a while for this to complete on my computer



```
C:\WINDOWS\system32\cmd.exe
* Time::today was removed in 1.3.3.

-----

RubyGems installed the following executables:
  C:/Ruby/bin/gem

C:\rubygems\rubygems-1.3.5>
C:\rubygems\rubygems-1.3.5>gem install rails
Successfully installed rake-0.8.7
Successfully installed activesupport-2.3.5
Successfully installed activerecord-2.3.5
Successfully installed rack-1.0.1
Successfully installed actionpack-2.3.5
Successfully installed actionmailer-2.3.5
Successfully installed activerecord-2.3.5
Successfully installed rails-2.3.5
8 gems installed
Installing ri documentation for rake-0.8.7...
Installing ri documentation for activesupport-2.3.5...
Installing ri documentation for activerecord-2.3.5...
Installing ri documentation for rack-1.0.1...
Installing ri documentation for actionpack-2.3.5...
Installing ri documentation for actionmailer-2.3.5...
Installing ri documentation for activerecord-2.3.5...
Installing ri documentation for rails-2.3.5...
Installing RDoc documentation for rake-0.8.7...
Installing RDoc documentation for activesupport-2.3.5...
Installing RDoc documentation for activerecord-2.3.5...
Installing RDoc documentation for rack-1.0.1...
Installing RDoc documentation for actionpack-2.3.5...
Installing RDoc documentation for actionmailer-2.3.5...
Installing RDoc documentation for activerecord-2.3.5...
Installing RDoc documentation for rails-2.3.5...

C:\rubygems\rubygems-1.3.5>rails -v
Rails 2.3.5

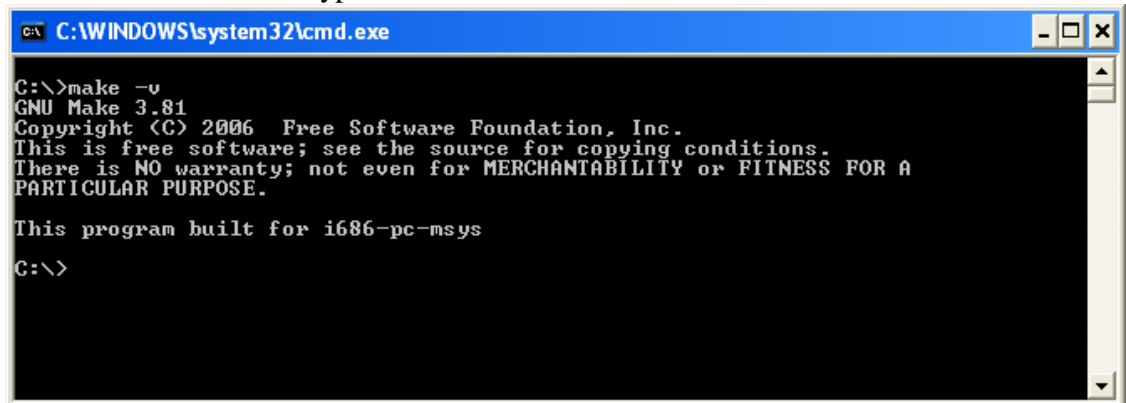
C:\rubygems\rubygems-1.3.5>
```

- c. Success! You now have Ruby on Rails installed. You can start all of the cool “Build a kick-ass website in 10 seconds” tutorials

Make sure you have a fresh cup of coffee and a smile on your face because here is where the fun starts. We’ll start the Heroku-specific installation. This is where things got interesting for me and why I wrote this document. You need a few things before trying to install the Heroku gem

1. Install the Ruby DevKit (Borrowed from <http://wiki.github.com/oneclick/rubyinstaller/development-kit>)
 - a. Go to <http://rubyinstaller.org/addons.html> and DevKit 3.4.5r3
 - b. You need to extract the files from the DevKit. You can use WinRAR or 7-zip
 - c. Extract the DevKit files to a folder somewhere. I created a DevKit folder on the desktop and put them in there
 - d. This will put two folders (bin and devkit) and a file called INSTALL.txt into a folder
 - e. Copy the files from your extracted DevKit/bin directory (gcc.bat, make.bat, sh.bat) and copy them into your Ruby\bin directory. If you installed Ruby using the one-click Ruby installer for Windows this will be c:\Ruby\bin

- f. Copy the entire devkit folder from your extract directory into your Ruby directory.
- g. Your Ruby directory should now have the following folders (bin, devkit, doc, lib, share) and a 3 unins000 files.
- h. If Ruby is install anywhere other than C:\Ruby you need to update the paths in the fstab file in *RubyInstallDirectory\devkit\msys\1.0.11\etc*
- i. From the command line type in make -v

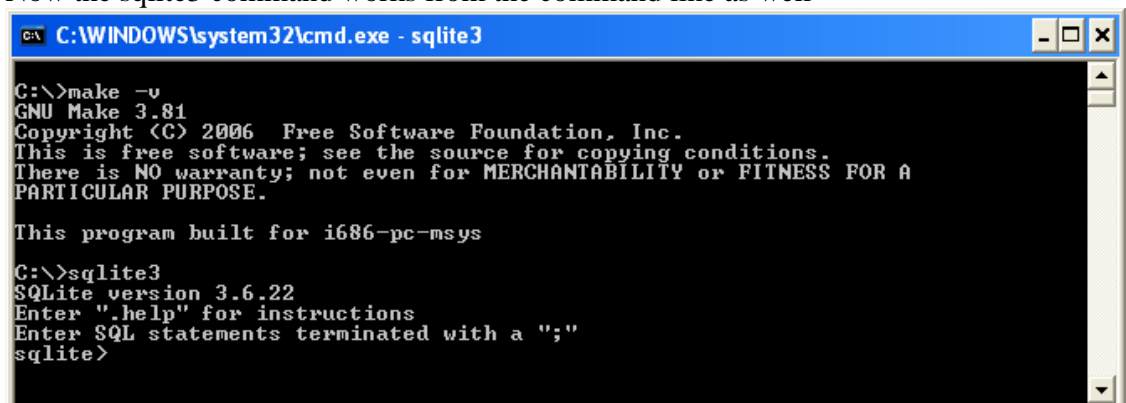


```
C:\>make -v
GNU Make 3.81
Copyright (C) 2006 Free Software Foundation, Inc.
This is free software; see the source for copying conditions.
There is NO warranty; not even for MERCHANTABILITY or FITNESS FOR A
PARTICULAR PURPOSE.

This program built for i686-pc-msys
C:\>
```

2. Install SQLite3

- a. Navigate to <http://www.sqlite.org/download.html>
- b. Download two files from the Precompiled Binaries for Windows section
 - i. sqlite-3_6_22.zip
 - ii. sqlitedll-3_6_22.zip
- c. Extract the files into Ruby\bin
- d. NOTE: When you ran the Ruby one-click installer, you selected that Ruby should be added to your windows PATH. By doing this you actually put Ruby/bin on your path. Therefore anything in the Ruby/bin folder can be run from the command line. That is why the ruby command works, why the gems command works, and why the make command works.
- e. Now the sqlite3 command works from the command line as well



```
C:\>make -v
GNU Make 3.81
Copyright (C) 2006 Free Software Foundation, Inc.
This is free software; see the source for copying conditions.
There is NO warranty; not even for MERCHANTABILITY or FITNESS FOR A
PARTICULAR PURPOSE.

This program built for i686-pc-msys
C:\>sqlite3
SQLite version 3.6.22
Enter ".help" for instructions
Enter SQL statements terminated with a ";"
sqlite>
```

- f. Hit control-C to end SQLite3

3. This is where I had my first problem with the install. When I tried to run the gem install sqlite3-ruby -v 1.2.3 command from the command line, the following displayed

```
C:\WINDOWS\system32\cmd.exe

C:\>gem install sqlite3-ruby -v 1.2.3
Building native extensions. This could take a while...
ERROR:  Error installing sqlite3-ruby:
        ERROR: Failed to build gem native extension.

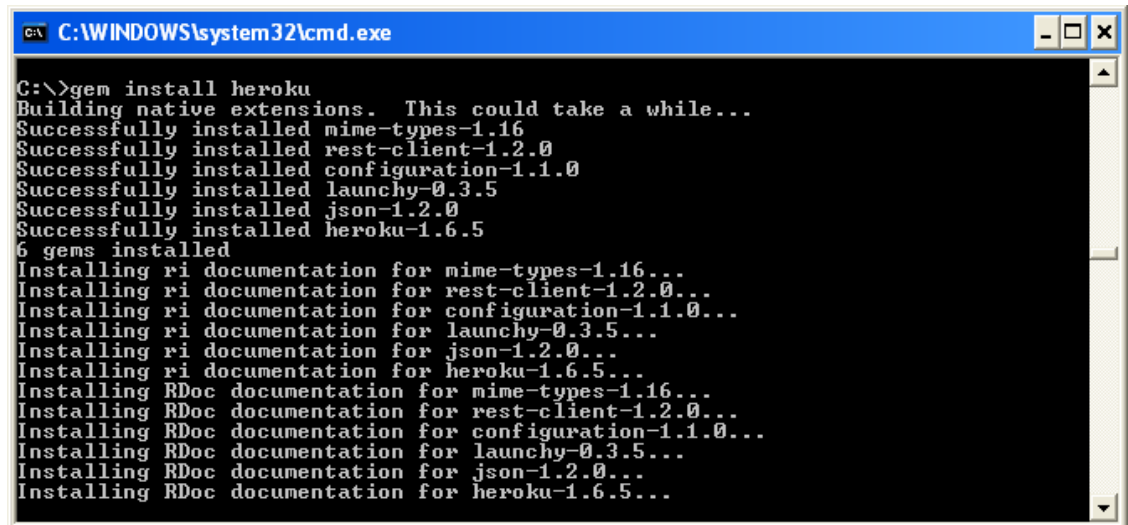
C:/Ruby/bin/ruby.exe extconf.rb
checking for fdatasync() in -lrt... no
checking for sqlite3.h... no

make
make: *** No rule to make target `ruby.h', needed by `sqlite3_api_wrap.o'.  Stop
.

Gem files will remain installed in C:/Ruby/lib/ruby/gems/1.8/gems/sqlite3-ruby-1
.2.3-x86-mingw32 for inspection.
Results logged to C:/Ruby/lib/ruby/gems/1.8/gems/sqlite3-ruby-1.2.3-x86-mingw32/
ext/sqlite3_api/gem_make.out

C:\>
```

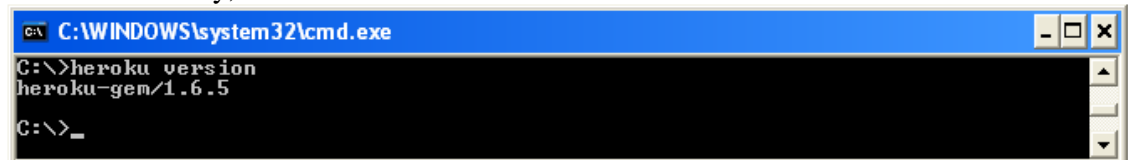
- a. To fix this, install the “bad” version of sqlite3-ruby. Don’t specify the version, just type in “gem install sqlite3-ruby”. I wish I could provide some technical reasoning as to why this worked but the best I can tell you is that specifying “...-v 1.2.3” didn’t work but the no version gem worked
- b. gem install sqlite3-ruby threw a bunch of “No definition for” messages but they didn’t seem to impact the rest of the install
4. Install json
 - a. gem install json -v 1.1.1 This also threw some “No definition for” messages but they didn’t seem to impact the rest of the install
5. Install heroku
 - a. Finally, trumpets blaring!!!! We are installing Heroku! At this point you should have already signed up on the Heroku site and received your confirmation email.
 - b. gem install heroku



```
C:\WINDOWS\system32\cmd.exe

C:\>gem install heroku
Building native extensions. This could take a while...
Successfully installed mime-types-1.16
Successfully installed rest-client-1.2.0
Successfully installed configuration-1.1.0
Successfully installed launchy-0.3.5
Successfully installed json-1.2.0
Successfully installed heroku-1.6.5
6 gems installed
Installing ri documentation for mime-types-1.16...
Installing ri documentation for rest-client-1.2.0...
Installing ri documentation for configuration-1.1.0...
Installing ri documentation for launchy-0.3.5...
Installing ri documentation for json-1.2.0...
Installing ri documentation for heroku-1.6.5...
Installing RDoc documentation for mime-types-1.16...
Installing RDoc documentation for rest-client-1.2.0...
Installing RDoc documentation for configuration-1.1.0...
Installing RDoc documentation for launchy-0.3.5...
Installing RDoc documentation for json-1.2.0...
Installing RDoc documentation for heroku-1.6.5...
```

- c. For a warm fuzzy, run heroku version

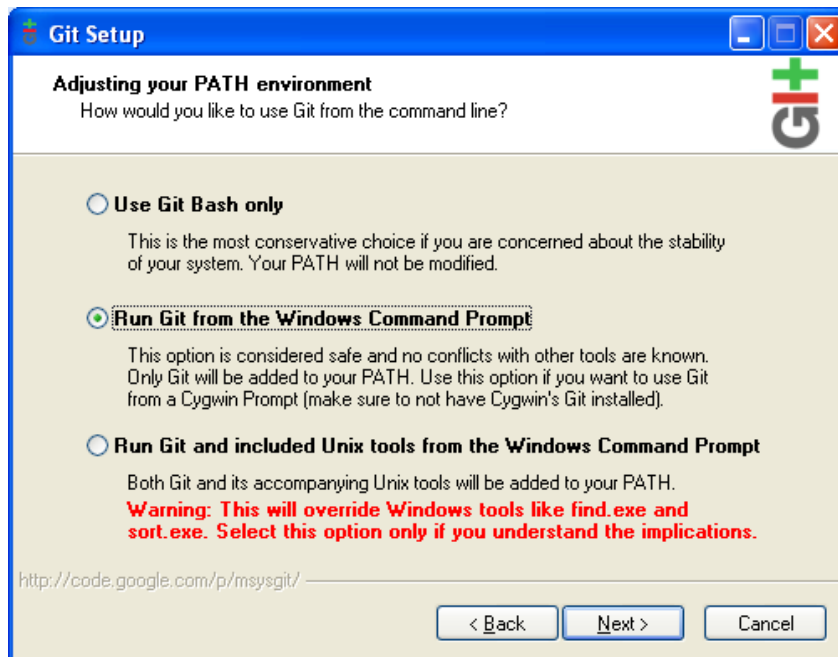


```
C:\WINDOWS\system32\cmd.exe

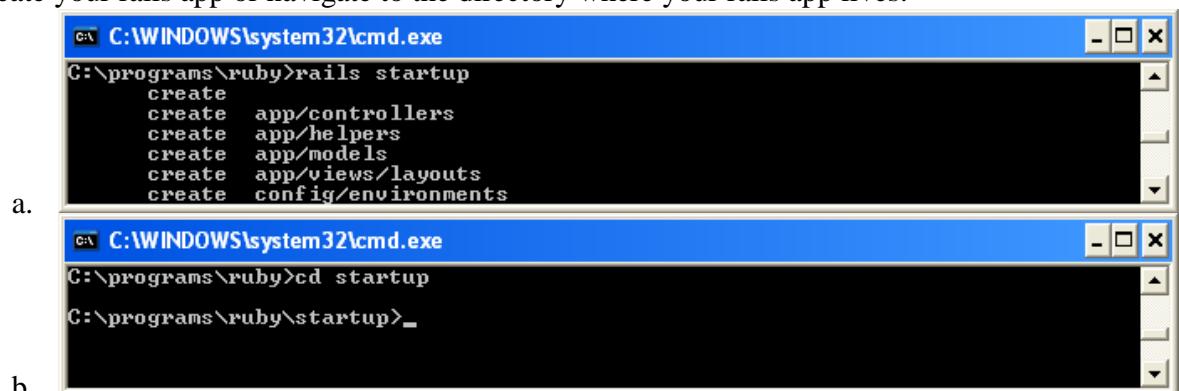
C:\>heroku version
heroku-gem/1.6.5

C:\>_
```

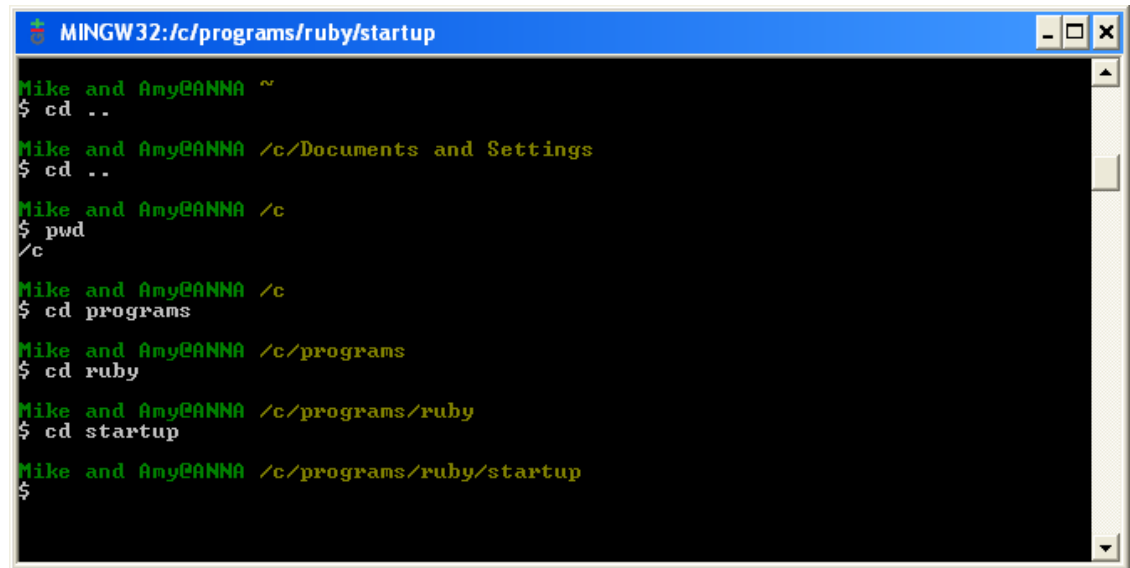
6. Before running Heroku you need to install git.
- This link is really the best for installing git for windows. He says it much better than I could
 - http://www.lostechies.com/blogs/jason_meridith/archive/2009/06/01/git-for-windows-developers-git-series-part-1.aspx
 - A couple of tips for the link in step b
 - When downloading the git file select Git-1.6.5.1-preview20091022.exe
 - When “Adjusting your PATH environment” select “Run Git from the Windows Command Prompt”



- d. Follow the instructions up through Generating SSH keys. When you generate the SSH key use the same email address that you used when signing up for Heroku
7. Create your rails app or navigate to the directory where your rails app lives.



- b.
- c. From your git shell navigate to you rails application



```
MINGW32:/c/programs/ruby/startup

Mike and Amy@ANNA ~
$ cd ..

Mike and Amy@ANNA /c/Documents and Settings
$ cd ..

Mike and Amy@ANNA /c
$ pwd
/c

Mike and Amy@ANNA /c
$ cd programs

Mike and Amy@ANNA /c/programs
$ cd ruby

Mike and Amy@ANNA /c/programs/ruby
$ cd startup

Mike and Amy@ANNA /c/programs/ruby/startup
$
```

- d.
8. At this point you are on the Heroku quickstart guide (<http://docs.heroku.com/quickstart#getting-your-app-on-heroku>). Run git init and git add . along with the rest of the doc to get up and running.
 9. Congrats and good luck!