

1. Install drracket and Emacs in your system.

Emacs:

For Linux: <http://ubuntuhandbook.org/index.php/2014/10/emacs-24-4-released-install-in-ubuntu-14-04/>

For Windows: <http://www1.cmc.edu/pages/faculty/alee/emacs/emacs.html>

For Mac: <https://www.emacswiki.org/emacs/EmacsForMacOS>

And Racket can be downloaded here:

<https://download.racket-lang.org/>

2. Add Racket into your environment. For Linux and Mac OS, this work is not needed. For Windows, you'll have to do it manually (the following instructions are done on Windows 10):

a. Open the "Environment Variables" dialog, by either "Control Panel" => "System" => "Advanced system settings" => "Environment Variables...", or search "Edit the system environment variables" in the search input area in the taskbar.

b. Select the line with the variable name "Path" in the "System variables" part. Then Click "Edit...".

c. Let "D:\Racket\" be the directory in which Racket is installed (change it to be yours). Add it to the "Variable value" input area, separate by semicolon. Then click "OK".

To test whether it's added to the environment successfully, open terminal (cmd for Windows), then type "racket" ("Racket" for Windows) and press Enter button. You will see the Racket Interpreter is started.

(Optional) Emacs Tutorial: When starting Emacs, there would be a welcome page. Click the "Emacs Tutorial" link.

2. Configure Emacs for Racket:

In Emacs, type the following command to create ".emacs" configuration file:

```
C-x C-f ~/.emacs
```

Note that "C-" here means the CTL button together with the following character. For those who are curious about "~". This character is short for the current user's HOME directory.

Usually, this file is empty. Then add the content in the following page to the file:

<https://www.cs.unm.edu/~williams/cs357/dotemacs>

(Optional: if you don't want Professor's preference, you can just add the last line in the page to your ".emacs" file)

Remember the paste command in Emacs is:

```
C-y
```

When you are done, type

```
C-x C-s
```

to save the file, and then exit Emacs, since Emacs has to be restarted to load the modified settings.

3. Run Emacs in the Scheme-mode:

If running Emacs from terminal, type

```
emacs xxx.scm
```

("xxx" is the file name you want) and press Enter button.

If you are already in Emacs, type

```
C-x C-f xxx.scm
```

("xxx" is the file name you want) to create a Scheme source file, or open the file if it already exists.

4. Run Racket Interpreter in Emacs:

There are 3 ways:

4-1. If you are in the scheme mode, then choose "Scheme" from the menu, and click "Run Inferior Scheme";

4-2. Type

```
M-x run-scheme
```

and press Enter button. Note that "M-" here means the META button (it's ALT for Linux and Windows) together with the following character;

4-3. If you have already run the Racket Interpreter before, type

```
C-x b
```

and then type

```
*scheme*
```

to switch to the buffer running Racket Interpreter.

For a different approach discussed in class:

<https://github.com/greghendershott/racket-mode>