

Short Guide to Using MIT Scheme

In this guide, C stands for control – hold down the control key while typing the letter after “C-”. M stands for meta, which you get by hitting the escape key. You do not need to hold down the escape key to type the letter after “M-”.

1. Start Edwin:
 - a. On Windows, start Edwin by double clicking on the Edwin icon. Do not use the Scheme icon, as it only starts the Scheme interpreter, not the editor.
 - b. On Linux, type

```
scheme -edwin -edit
```

This will work both when you are in the linux lab and when you ssh into a machine. Typing `scheme` alone will start the interpreter only, not the editor.
2. C-x 2 makes 2 windows.
3. C-x o to change windows to bottom window.
4. C-x C-f to create or find a file. To create a file, simply type in a file name. To reload an existing file, type in its name.
5. Type in your code in the bottom window, which is your answer file. To evaluate your expression, type C-x C-e at the end of the expression (end of all parentheses closing the expression). In the Scheme buffer, you'll see

```
;Value: <exp value>.
```
6. To evaluate a whole buffer (which you'd do after loading in a code file for an assignment or your file from a previous Scheme session), type M-o.
7. To cut and paste from your Scheme buffer to your answer buffer:
 - a. Change to the *Scheme* window with C-x o.
 - b. Move the cursor to the top of the region to cut.
 - c. C-k to “kill” (cut) a line

- d. Repeat C-k until all text cut. (Do not move your cursor between C-k's, or you will lose some of the text.)
 - e. Change to the answer buffer (C-x o).
 - f. Put your cursor where you want the text.
 - g. C-y to “yank” the cut lines into the buffer.
 - h. Put a semi-colon before each line (if it isn't already there), so that you'll be able to evaluate the whole buffer at a later time if necessary.
8. Be sure to save your file before exiting: C-x C-s. To exit with being reminded to save changed files, type C-x C-c to exit.
9. If you get into a strange mode, C-g is useful. It's a quit command within Edwin.