

Practice: first "literate" C program!

Let's set Emacs up, write and run a first "literate" C program!

1. Open the command line terminal with CMD in the search field
2. At the prompt, type `gcc --version`
3. Open <https://github.com/birkenkrahe/org/> in a browser
4. Navigate to the repository `emacs` in GitHub
5. Click on the file name `.emacs` to open it
6. Open the Raw version of this file (there's a button)
7. Right click to `Save as` and save file as `emacs.txt` in `/Downloads`
8. Open a terminal by entering CMD in the Windows search bar
9. Pin the terminal to your taskbar
10. At the prompt, enter `DIR emacs.txt` - you should see the file
11. Enter `emacs -nw -l emacs.txt`
12. Inside Emacs, click <F10> and ENTER to open a new file
13. At the prompt at the bottom of the screen, enter `first.org`
14. Enter the following text (replace `yourname` with your own name)
15. Run the program by putting the cursor anywhere on the code block and typing CTRL-C
CTRL-C (or C-c C-c)
16. Tangle the code with C-c C-v t (or M-x org-babel-tangle)
17. Open a shell (terminal program) with ALT-x eshell
18. At the prompt, enter `ls -l first*` - you should see `first.C`
19. Enter `gcc first.C -o hello`
20. Enter `hello` to run the program.
21. Upload `first.org` as your first in-class assignment [to Canvas!](#)