COURSE OVERVIEW

CSC 100 - Introduction to programming - Spring 2023

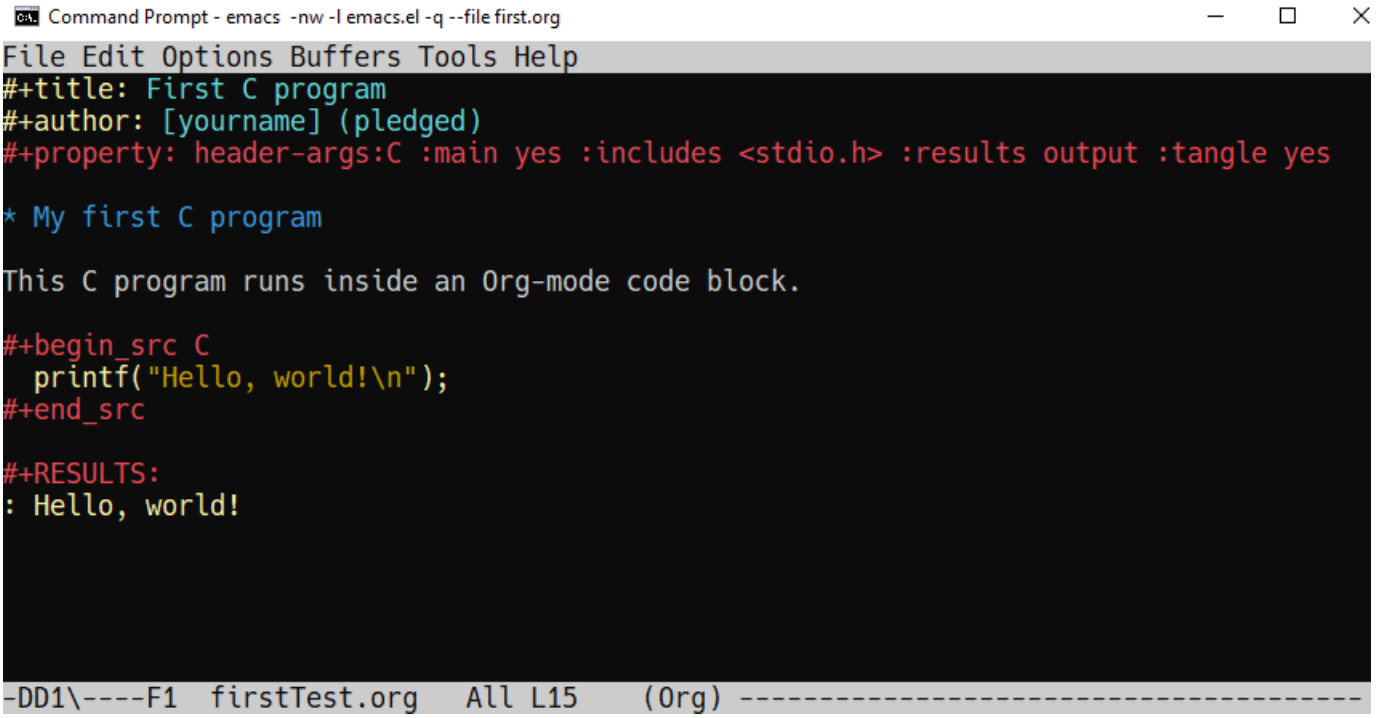
Practice: first "literate" C program!

Figure 1: My GitHub dashboard

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!

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