

# Extra Credit

Skylar Chan

Due 2023-05-18

You will earn 2% extra credit for each of the assignments you complete here. Do not submit just a few lines of code without comments. Cite your sources. Submit your extra credit answers to the appropriate ecX homework assignment on ELMS.

1. Customize your Bash startup files, and define some aliases. Explain what each of your customizations do.
2. Customize your Vim or Emacs configuration. Explain what each of your customizations do.
3. Explain how ANSI color codes work. Write a script to print text with colors.
4. Try another shell, such as dash, ZSH, tsch, csh, Powershell, busybox ash, Fish. . . there are many to pick from. Explain how the history of the shell differs from Bash and provide example commands that illustrate syntax differences between the shells.
5. Try a terminal multiplexer such as tmux or screen, and customize your configuration. Explain what your configuration does.
6. Use the Ensembl or NCBI Blast APIs with curl to retrieve data or make a query. Explain how an API works and what you are querying.
7. Complete the UMD course evaluation for this course. Submit a screenshot that you completed the evaluation (not the evaluation itself).
8. Explain how to use imagemagick to manipulate images, like converting between jpg and png or converting to grayscale. This is as if you ran ImageJ in the command line (although of course you can do that too).
9. Explain how to use pandoc to manipulate document formats, like converting from MS Word, HTML, or Markdown to any of these other formats. Markdown is a commonly encountered plain-text format that is easy to read and write.