

Peer-review of assignment 5 for *INF3331-dawoodah*

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1 Review

Reviewed with: Python version 3.5 (Homebrew) on MacBook Pro El Capitan

General feedback

Overall a good solution with some problems as described below. Some general advice:

- Would have been nice with a README with instructions on how to test the code.
- You could improve your docstrings by including information about parameter and return values (in a way that allows automatic generation of code documentation).

Assignment 5.1: Syntax highlighting

- Code is working as expected. Handles wrong cli-arguments well. Assumes well formatted syntax/ theme files.
- Well documented code, using docstrings. Remember to put all docstrings below the function/ class def they belong to.
- Well written, easily readable code broken up in functions in a sensible manner.

Assignment 5.2: Python syntax

- The regular expression seem to work as expected.
- Two different color themes that work as expected.
- Possible improvements: You only match one possible way to write strings in python. Would have been nice with a regex that matched all variants of strings with single or double quotes. I think the regex would fail with some special cases like an escaped quote inside a string.
- The variable regex matches operators as well (for example `a == b`).
- Would have been nice with coloring of some larger parts of relevant expressions, not only keywords like `if`, `else`, `class`, but the whole construct.

Assignment 5.3: Syntax for your favorite language

9 regex that cover different parts of the C language. As for 5.2, it would have been nice with some longer expressions.

Assignment 5.4: Syntax for your second favorite language

8 regex that cover different parts of the JAVA language. As for 5.2, it would have been nice with some longer expressions.

Assignment 5.5: superdiff

- Some issues: Doesn't handle several edge cases: Different lengths for input/ output files, removing a line and re-inserting the same line at some other place. Do a search for "longest common subsequence" problem for a possible solution.
- Missing some documentation/ comments on how the code is structured. Otherwise ok code apart from the issues mentioned.

Assignment 5.6: Coloring diff

Regex and theme implemented correctly.

- It would have been nicer if the output was colored automatically when mydiff.py is called. So that 5.5 and 5.6 is run more like one program.