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

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1 Review

Tested on Ifi linux machine [GCC 4.4.7 20120313 (Red Hat 4.4.7-1)] on linux Python 3.5.2 —Anaconda 4.2.0 (64-bit)

General feedback

The programme is generally well documented and the README file gives a detailed information on how every script runs. Even though some name of the files are different from the assignment given.

Assignment 5.1: Syntax highlighting

-the code is not working as expected.
-python highlighter.py naython.syntax, naython.theme hello.ny
it is not doing the correct output as descriped in the assignment 5.0.
-the code is wel documented
-moreover, it checks if the correct command line arguements are provided

Assignment 5.2: Python syntax

python highlighter.py python_regex_dict/python.syntax python_regex_dict/python.theme test.py

The python theme has different colours for each syntax.
The python syntax includes the following below syntax. And regex are implemented perfect for all.
1, comments: both with hash and triple quates. And it is handling perfect.
2, Function definitions: def and the name of its function
3, Class definitions:
4, Strings:
5, Imports: which includes also from. . . .import
6,“Special” statements None, True, False:
including inaddition as ,in, and, or, print, all
7, Variable assignments:
8, Decorators: decorator @ is handled
9, Try/except:
10, for-loops: for . . . .in. is also handled.
11, while-loops:
12, if/elif/else blocks:

Assignment 5.3: Syntax for your favorite language

file test.c should be created for test purpose
python highlighter.py c_regex_dict/c.syntax c_regex_dict/c.theme test.c

A sufficient amount of language is covered in the themefile. The regex are captured well for different syntax and different theme colour is assigned. the following syntaxes have been tested :
1, comments
2, type of variable
3, for loops
4, while loops
5, headers
6, if else blocks

7, control statements

Assignment 5.4: Syntax for your second favorite language

file test.java should be created for test purpose

```
python highlighter.py java_regex_dict/java.syntax java_regex_dict/java.theme test.java
```

no sufficient amount of language is covered.
only the following:
1, comments
2, type of variable : string type is not available
3, import
4 key word: few such as public, static, void

Assignment 5.5: superdiff

Add a review based on section **??**.
original.txt and modified.txt are created for test purpose.

```
python my_diff.py original.txt modified.txt
```

gives correct output.
so the code is working as expected
the code is very well documented. and there is no class overuse, it is only one class and sufficient functions are used. In addition it handles for incorrect inputs fom the terminal.

Assignment 5.6: Coloring diff

the syntax and the theme are correctly done.

```
python my_diff.py original.txt modified.txt output.txt
```

the result is written in the output.txt file

```
python highlighter.py diff_regex_dict/diff.syntax diff_regex_dict/diff.theme output.txt
```

will give the desired result.