

Pyflakes & pep8.py

in emacs

PyFlakes

- lint-like tool for Python
- performs static code analysis
- fast, fast, fast
- `easy_install pyflakes`
- no, actually, run the svn trunk

```
$ pyflakes orm/evaluator.py
orm/evaluator.py:2: 'functions' imported but unused
orm/evaluator.py:3: 'sql' imported but unused
orm/evaluator.py:54: redefinition of function 'evaluate' from line 43
orm/evaluator.py:72: redefinition of function 'evaluate' from line 69
orm/evaluator.py:75: redefinition of function 'evaluate' from line 72
```

pep8.py

- style guide tool for Python
- performs static code analysis
- fast, fast, fast
- under new management
- `easy_install pep8`

```
$ pep8 orm/evaluator.py
orm/evaluator.py:19:1: E302 expected 2 blank lines, found 1
orm/evaluator.py:20:5: E301 expected 1 blank line, found 0
orm/evaluator.py:23:80: E501 line too long (82 characters)
orm/evaluator.py:34:80: E501 line too long (82 characters)
orm/evaluator.py:43:13: E301 expected 1 blank line, found 0
orm/evaluator.py:54:13: E301 expected 1 blank line, found 0
orm/evaluator.py:66:18: E231 missing whitespace after ','
orm/evaluator.py:69:13: E301 expected 1 blank line, found 0
orm/evaluator.py:72:13: E301 expected 1 blank line, found 0
orm/evaluator.py:75:13: E301 expected 1 blank line, found 0
orm/evaluator.py:82:80: E501 line too long (118 characters)
orm/evaluator.py:88:13: E301 expected 1 blank line, found 0
orm/evaluator.py:94:80: E501 line too long (114 characters)
```

flymake-mode

- runs a validator of your choice over your code as you type
- different validators for different languages (or major modes)
- fast, fast, fast
- simple python script to combine multiple checkers (pyflakes, pylint, pep8.py) into one