



C1 - Python

C-COD-140

Day 03

Scientific Calculator



Day 03

repository name: python_d03

repository rights: ramassage-tek



- Your repository must contain the totality of your source files, but no useless files (binary, temp files, obj files,...).
- Error messages have to be written on the error output, and the program should then exit with the 84 error code (0 if there is no error).



MAKE YOUR OWN EGG !

We will check your code with you, and evaluate **its quality**.

You have to realize a simple scientific calculator (exec and evaluate are forbidden...)

A scientific calculator must contain every usual functions (tan, sin, cos, exp, ...) with bases (2, 8, 10, 16), ...



An Egg is not self executed, you should provide a script Initializing and running your software



REQUIREMENTS

Required (12 points, may be negative):

- Get all requirements
- Require at least 1 dependency (colorize, ...)
- Contain 1 executable
- Architecture (files, modules, classes, ...)
- License
- Cryptographically signed
- Respect naming conventions
- Documentation (rdoc)
- Unitary tests
 - Why not test continuous integration with Travis?
- Online repository
 - Gitlab, Github, Bitbucket, ...
- Git repository clean (English commits, respecting the conventions, detailed, etc.)
 - Search on the internet the conventions
- Code maintainable (coherent, not too complex)
 - Code Climate, ...

Bonus:

- Awesome software (design / user friendly / man / efficient argument parsing / ...)