UNDERSTAND CODE ANALYZER

DOCUMENTATION:

OBJECTIVE

The objective of the project is to use understand code analyzer to analyze your code, including metrics, dependency, etc. The project had been coded in Python 3X +, for detailed information, please see the API tutorial.

1. Installation:

References:

1. Download understand: <https://www.scitools.com/>
2. Python API documentation: <https://documentation.scitools.com/html/python/understand.html>
3. API tutorial:

<https://scitools.freshdesk.com/support/solutions/articles/70000582855>

1. ARCHITECTURE

The project architecture consists of the following components:

1. Before import the understand in your script please do the following environment setup:
2. For MACOS users, kindly open your terminal and export

export PATH=$PATH:/Applications/Understand.app/Contents/MacOS

export PYTHONPATH=$PYTHONPATH:/Applications/Understand.app/Contents/MacOS/Python

1. Simply run the simple code by “python XXX.py”
2. You could also run your code by Upython that provided by Understand
3. Under function folder, you could find multiple API call functions, kindly copy, and paste into your script.
4. Understand MacOS folder, you will find und and upython, those are two API provided by understand, und is for database creation, and upython is for running your script (if you do step 2, you do not need to use upython)
5. There is not much information about this API tool, if you have questions, please contact me