BUNSEKI

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https://github.com/weriko/complexityAnalysis

SECURITY INSTRUCTIONS

Check that the code to be analyzed is secure.
Install from github.
you not modify the code.

CONTENTS

INTRODUCTION

Thanks for choosing our program. Bunseki will allow the user to analyze python code using its disassembler. it is able to load code from github or a local file. it also allow to test some of the code's functions to know an approximation of its complexity.

VERSIONS

Beta 0.1
Project created.

News:
load code from github or local files.
find the complexity of the code using loops.

Beta 0.2
Code's tests implemented.

News:
function tests added and their graph

Beta 0.3
Desingned UI

News:
improved UI
menu added

FUTURE VERSIONS

Beta 0.4
recursive function analysis and mobile export

SYSTEM REQUIEREMENTS

Operative system : Windows 7,8,10 o higher and any linux version with python support
Memory: 1GB
Ram: 4GB

PREVIOUS REQUIEREMENTS

knowledge about python disassembler and graph analysis. Basic knowledge about algorithmic complexity.

REQUIERED PROGRAMS

- Python

MODULES

- python-requests https://requests.readthedocs.io/es/latest/
- python-uuid https://docs.python.org/3/library/uuid.html
- python-kivy https://kivy.org/#home
- python-time https://docs.python.org/3/library/time.html
- python-json https://docs.python.org/3/library/json.html
- python-base64 https://docs.python.org/3/library/base64.html
- python-re https://docs.python.org/3/library/re.html
- python-io https://docs.python.org/3/library/io.html
- python-dis https://docs.python.org/3/library/dis.html
- python-matplotlib https://matplotlib.org/

OTHER MODULES

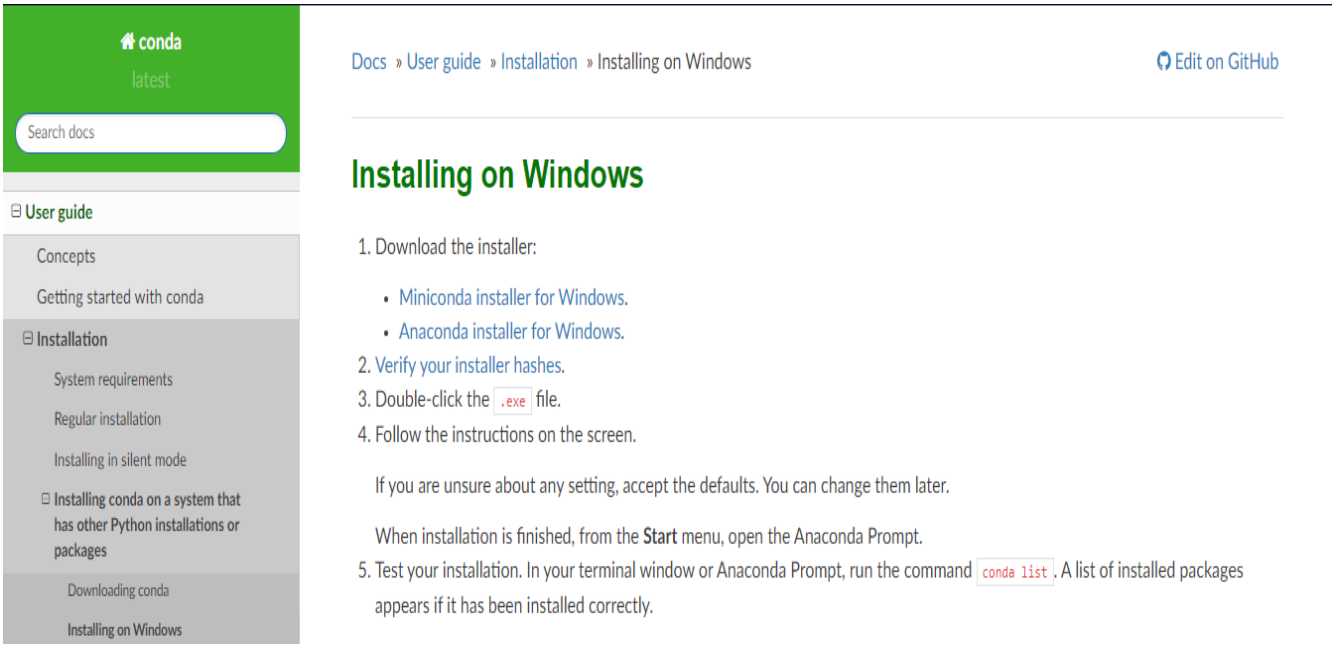
- git https://git-scm.com/
- pip https://pypi.org/project/pip/

CONFIGURATION / INSTALATION

WINDOWS REPOSITORY

1. Python instalation

go to python or anaconda official website and follow the instructions.



2. Downloads módules

Downloads requiered modules

3. GIT

use the next command: git clone [app URL] and go to the created directory.

4. Execute

execute with python.

LINUX REPOSITORY

many linux's distibutions have python. if you run into trouble check he official pytho website and use the next code for install.

- Ubuntu and debian

  sudo apt-get installl python-[Module] o use pip like sudo pip install [Module]

- ArchLinux
  sudo pacman -S python-[Module]

Install git and use the command
- Ubuntu an debian
  sudo apt-get installl git
- Archlinux
  sudo pacman -S git

command clone repository
  git clone [URL del app]

run with python.