**Steps to execute Homogenise using Visual Studio Code (VSCode):**

**1-) Installing VSCode**. Use this link: <https://code.visualstudio.com/download>

**2-) Installing Python 3**. Use this link: <https://www.python.org/downloads/>

Note: It is important add Python to Path on Windows. See this link to help about: <https://phoenixnap.com/kb/how-to-install-python-3-windows>

**3-) Install Flask in the virtual environment by running the following command in the VS Code Terminal**:

python -m pip install flask

Note: It is necessary to install Flask. According to Wikipedia, Flask is a micro web framework written in Python. It is classified as a microframework because it does not require particular tools or libraries. It has no database abstraction layer, form validation, or any other components where pre-existing third-party libraries provide common functions.

**4-) Installing Anaconda Distribution for Windows**. See this link:

<https://docs.anaconda.com/anaconda/install/windows/>

**5-) Configuring VSCode for Python**. See this link:

<https://hub.asimov.academy/blog/como-instalar-e-configurar-o-vscode/>

**6-) Install Werkzeug running the following command in the VSCode terminal**:

pip install Werkzeug

Note: Werkzeug is a comprehensive WSGI web application library. It began as a simple collection of various utilities for WSGI applications and has become one of the most advanced WSGI utility libraries. See this link: <https://pypi.org/project/Werkzeug/>

**6-) Install SQLAlchemy running the following command in the VSCode terminal**:

pip install SQLAlchemy

Note: SQLAlchemy is the Python SQL toolkit and Object Relational Mapper that gives application developers the full power and flexibility of SQL. SQLAlchemy provides a full suite of well-known enterprise-level persistence patterns, designed for efficient and high-performing database access, adapted into a simple and Pythonic domain language. See this link: <https://pypi.org/project/SQLAlchemy/>

**7-) Install urllib running the following command in the VSCode terminal**:

pip install urllib3

Note: urllib3 is a powerful, user-friendly HTTP client for Python. Much of the Python ecosystem already uses urllib3 and you should too. urllib3 brings many critical features that are missing from the Python standard libraries:

Thread safety.

Connection pooling.

Client-side SSL/TLS verification.

File uploads with multipart encoding.

Helpers for retrying requests and dealing with HTTP redirects.

Support for gzip, deflate, brotli, and zstd encoding.

Proxy support for HTTP and SOCKS.

100% test coverage.

See this link: <https://pypi.org/project/urllib3/>

**8-) Install Postgresql in localhost**. “Download the installer” here with the same sentence:

<https://www.postgresql.org/download/windows/>

Note: During installation, configure user as “postgres” and password as “1234”.

**9-) Clone source code of Homogenise project from GitHub:**

<https://github.com/evaldo/homogenise_code.git>