

Python script: Saving csv data to SQLite db

Goal

The goal is to be able to automate a repetitive task with python. A large number of csv files of the same format needs to be inserted into a single table in a sqlite database.

Process description

Crawl folder '/data'

For each csv file, read the content and confirms that there are only two columns (name,lei).

Encoding is utf8 and should be specified

Insert the result in a sqlite db: the table to be created is called 'data'

It has 3 columns (id, name, lei)

id: integer and is the primary key

name: varchar of your choosing (see csv file examples)

lei: a string of 20 characters that is unique (this is important as it will be used in other functionalities)

move the csv file processed to a folder '/bkp'. If a file exists in the folder with the same name, do not overwrite, keep both.

Expectations

2 files are provided as real examples for the purpose of testing.

A python script that can be run from the command line.

Performance is not critical. Simplicity and clean code with comments are essential.