SCALE FOR PROJECT

PISCINE PYTHON FOR DATA SCIENCE / DAY 01

Introduction

The methodology of School 21 makes sense only if peer-to-peer assessments are done seriously. This document will help you to do it properly.

- Please, stay courteous, polite, respectful and constructive in all communications during this assessment. The bond of trust between community 21 and you depend on it.
- Highlight possible malfunctions of the work done by the person and take the time to discuss and debate it.
- Keep in mind that sometimes there can be differences in interpretation of the tasks and the scope of features. Please, stay open-minded to the vision of the other.

Guidelines

- Evaluate only the files that are on the GIT repository of the student or group.
- Doublecheck that the GIT repository is the one corresponding to the student or the group as long as to the project.
- Meticulously check that nothing malicious has been used to mislead you and have you assess something except the content of the official repository.
- If you have not finished the project yet, it is compulsory to read the entire instruction before starting the review.
- Use the special flags in the scale to report an empty or non-functional solution as long as a case of cheating. In these cases, the assessment is completed and the final grade is 0 (or in a case of cheating is -42). However, except for a case of cheating, you are encouraged to continue reviewing the project to identify the problems that caused the situation in order to avoid them for the next assessment.

- You must stop giving points from the first wrong exercise even if the following exercises are correct.

Attachments

- The exercises
- ds.csv

Preliminaries

Respect the rules:

- The repository contains the work of the student (or group).
- The student is able to explain their work at any time during the assessment.
- The general rules and any rules specific to the day are respected throughout the assessment.

Yes | No

Pool Python/Data Science D00

- Any hardcoded result is worth zero for the exercise.

Exercise 00 – Data types

- file `data_types.py` exists in the directory of the repository?
- the output is strictly identical to the subject?
- no type of variable is explicitly written in the code?

In all other cases, the exercise is wrong.

Yes | No

Exercise 01 – Working with files

- file `read_and_write.py` exists in the directory of the repository?

- run the script on the attached file `ds.csv`, the output does not have comma as the delimiter but `\t`?
- the output is not explicitly written in the code?

In all other cases, the exercise is wrong.

Yes | No

Exercise 02 – Dictionaries

- file `to_dictionary.py` exists in the directory of the repository?
- the script transforms the list into dictionary?
- the output conforms to the expected format?
- the output is not explicitly written in the code?

In all other cases, the exercise is wrong.

Ask why the dictionary order is not necessarily identical to the example. The answer does not affect the validation of the exercise.

Yes | No

Exercise 03 – Search by key

- files `stock_prices.py` exists in the directory of the repository?
- in case of giving nothing as argument, the program shows nothing and exit properly?
- in case of giving an empty string as argument, the program shows “Unknown company”?
- in case of giving an invalid string (‘lolo’, for example), the program shows “Unknown company”?
- in case of giving a valid company name, the program shows the correct stock price?
- nothing except authorized function is used to produce the result?
- the output is not explicitly written in the code?

In all other cases, the exercise is wrong.

Yes | No

Exercise 04 – Search by value and by key

- file `ticker_symbol.py` exists in the directory of the repository?
- in case of giving nothing as argument, the program shows nothing and exit properly?
- in case of giving an empty string as argument, the program shows “Unknown ticker”?
- in case of giving an invalid string (‘pepe’, for example), the program shows “Unknown ticker”?
- in case of giving a valid ticker name, the program shows the correct company name and stock price?
- nothing except authorized function is used to produce the result?
- the output is not explicitly written in the code?

In all other cases, the exercise is wrong.

Yes | No

Exercise 05 – Search by value or by key

- file `all_stocks.py` exists in the directory of the repository?
- in case of giving nothing as argument, the program shows nothing and exit properly?
- in case of giving an empty string as argument, the program shows “is an unknown company or an unknown ticker symbol”?
- in case of giving an invalid string (‘pepe’, for example), the program shows “pepe is an unknown company or an unknown ticker symbol”?
- in case of giving a valid ticker name or company name, the program shows the correct company name or stock price (“`is a ticker symbol for`” or “`stock price is`”)?
- in case of giving as argument: valid ticker name, valid company name, invalid name, two commas in a row, white space everywhere, the program behaves correctly?
- nothing except authorized function is used to produce the result?
- the output is not explicitly written in the code?

In all other cases, the exercise is wrong.

Yes | No

Exercise 06 – Sorting a dictionary

- file `dict_sorter.py` exists in the directory of the repository?
- the program displays the country names in the correct order by descending numbers?
- when the numbers are equal, the country names are showed in alphabetical order?
- the country names are displayed one by line without numbers?
- if you change several country names and numbers in the dictionary, it still shows the correct output?
- the output is not explicitly written in the code?

In all other cases, the exercise is wrong.

Yes | No

Exercise 07 – Caesar cipher

- files `encoder.py` and `decoder.py` exist in the directory of the repository?
- encoder correctly encodes a given string and given shift?
- decoder correctly decodes a given string and given shift?
- nothing except authorized function is used to produce the result?
- the output is not explicitly written in the code?

In all other cases, the exercise is wrong.

Yes | No

Ratings

Don't forget to check the flags corresponding to the review.

Ok | Outstanding project
Empty work | Incomplete work | Cheat | Crash | Forbidden function

Conclusion

Leave a comment on this evaluation.