SCALE FOR PROJECT

PISCINE PYTHON FOR DATA SCIENCE / DAY 03

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 depends 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](#)

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

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- Any hardcoded result is worth zero for the exercise.

Exercise 00 – Virtual environment

- the environment can be activated and deactivated without throwing any errors?

- Python 3 exists and works from terminal with the activated env?

- python script contains a shebang with the path to the env in the first line?

- the script returns the correct result?

- the peer is able to explain why there can be a KeyError or exception when you run the script not from the env (explanation should include the analysis of code `bin/activate`)?

In all other cases, the test is failed.

Yes | No

Exercise 01 – Installing a package

- if you run `pip freeze` in the activated env, do you see `termgraph` in the list?

- does the script show the exact same graph but with different colors?

In all other cases, the test is failed.

Yes | No

Exercise 02 – Installing many libraries

- the env is archived?

- if you run `pip freeze` in the activated env, do you see `beautifulsoup4` and `pytest` in the list?

- the shell script does not contain loops?

- `pip install` occurs in the script only once?

- the script shows the list of installed libraries as a result?

In all other cases, the test is failed.

Yes | No

Exercise 03 – Very beautiful soup

- Try different ticker names (MSFT, AAPL, TSLA) and fields (Total Revenue, Gross Profit, Net Income, EBITDA). Does the script work correctly?

- Try non-existing ticker names. Does the script show an exception that the URL does not exist?

- Try non-existing fields. Does the script show an exception that the requested field does not exist?

- Does the type of the result is tuple?

- Does the code contain `time.sleep(5)`?

The exercise is considered failed if one of the points requested is not perfectly realized.

Yes | No

Exercise 04 – Profiling

- all the files exist in the directory?

- financial_enhanced.py does not have sleep(5) and uses a different HTTP-client library?

- the peer is able to answer if their script got faster or slower after changing the HTTP-client library?

- all the profiling files sorted accordingly to the subject?

In all other cases, the test is failed.

Yes | No

Exercise 05 – PyTest

- the script contains at least 3 tests from PyTest library?

- if you run the test, does the script pass it?

In all other cases, the test is failed.

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.