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Remember that the quality of the defenses, hence the quality of the of the school on the labor market depends on you. The remote defenses during the Covid crisis allows more flexibility so you can progress into your curriculum, but also brings more risks of cheat, injustice, laziness, that will harm everyone's skills development. We do count on your maturity and wisdom during these remote defenses for the benefits of the entire community.

SCALE FOR PROJECT PISCINE PYTHON DATA SCIENCE (/PROJECTS/PISCINE-PYTHON-DATA-SCIENCE) / DAY 01 (/PROJECTS/PISCINE-PYTHON-DATA-SCIENCE-DAY-01)

You should evaluate 1 student in this team



Git repository

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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

 subject.pdf (<https://cdn.intra.42.fr/pdf/pdf/25094/en.subject.pdf>)

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

Piscine Python | Data Science MODULE 01

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 test is failed.

☒ 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`?
- Ask to add into the file a line that has a value containing a comma inside,
does the script skip it for replacement?
- The output is not explicitly written in the code?

In all other cases, the test is failed.

☒ Yes

☐ No

Exercise 02 – 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?
- Try to do the same with lowercase letters and caps
- Nothing except authorized function is used to produce the result?
 - The output is not explicitly written in the code?

In all other cases, the test is failed.

☒ Yes

☐ No

Exercise 03 – 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?

Try to do the same with lowercase letters and caps

- Nothing except authorized function is used to produce the result?
- The output is not explicitly written in the code?

In all other cases, the test is failed.

☒ Yes

☐ No

Exercise 04 – 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 test is failed.

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 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 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 test is failed.

☒ 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 test is failed.

☒ Yes

☐ No

Exercise 07 – Sets

- File marketing.py exists in the directory of the repository?

- The function call_center returns

['ted@mosby.com', 'bill_gates@live.com', 'mark@facebook.com', 'elon@paypal.com', 'jessica@gmail.com']?

- The function potential_clients returns

['walter@heisenberg.com', 'vasily@mail.ru', 'pinkman@yo.org', 'pinkman@yo.org', 'mr@robot.gov', 'eleven@yahoo.com']?

- The function loyalty_program returns

['andrew@gmail.com', 'ted@mosby.com', 'john@snow.is', 'bill_gates@live.com', 'mark@facebook.com']?

- If the wrong name of the argument is given, an exception is raised?

In all other cases, the test is failed.

☒ Yes

☐ No

Exercise 08 – Working with strings as lists

- Files names_extractor.py and letter_starter.py exist in the directory of the repository?

- Names_extractor.py creates a file with the correct header and fields, the delimiter is tab?

- Letter_starter.py creates a text with the correct name of a person from the file?

- The script uses f-string instead of string.format()?

In all other cases, the test is failed.

☒ Yes

☐ No

Exercise 09 – Caesar cipher

- File caesar.py exists in the directory of the repository?

- Encoder correctly encodes a given string and given shift?

- Decoder correctly decodes a given string and given shift?

- Numbers and special symbols are not processed by the shift?

- Nothing except authorized function is used to produce the result?

- When you give as input strings with quotes and without them, the result still has quotes?

- When you give an incorrect number of arguments, the program shows an exception?

- The output is not explicitly written in the code?

In all other cases, the test is failed.

☒ Yes

☐ No

Ratings

Don't forget to check the flag corresponding to the defense

✓ Ok

★ Outstanding project

📄 Empty work

💬 No author file

⚙️ Invalid compilation

📖 Norme

📑 Cheat

💣 Crash

💧 Leaks

🚫 Forbidden function

Conclusion

Leave a comment on this evaluation

Хорошая работа

Finish evaluation

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