

Quiz Submissions - Quiz 6 - JSON, CSV and file management



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Attempt 1

Written: Feb 5, 2023 10:06 PM - Feb 5, 2023 10:15 PM

Submission View

You successfully submitted your quiz.

Question 1

1 / 1 point

```
import json

with open("file.json", "r") as fp:
    # COMPLETE HERE
```

How would you read the entire JSON data in the "file.json"?

- ✓ ☒ json.load(fp)
- ☐ json.read(fp)
- ☐ json.loads(fp.read())
- ☐ json(fp.read())

Question 2

1 / 1 point

What are the advantages of the JSON format?

- ✓ ☒ It is easy to read and process in a lot of programming languages.
- ✓ ☐ Long JSON files with nested structures are easy to read
- ✓ ☒ It is widely adopted by almost all modern web APIs
- ✓ ☐ You can write programming logic in JSON
- ✓ ☒ It is reasonably lightweight and easy to understand

Question 3

2 / 2 points

Which of the following types can natively be converted using the JSON Python module?

- ✓ ☒ list

- ✓ ☒ str
- ✓ ☐ object
- ✓ ☐ any instance of a class with a "__serialize__" method on it
- ✓ ☒ float
- ✓ ☒ int
- ✓ ☐ any instance of a class with a "__json__" method on it
- ✓ ☐ datetime
- ✓ ☐ any instance of a class with a "json" method on it
- ✓ ☒ dict

Question 4

1 / 1 point

Which of the following rules are true for the JSON format?

- ✓ ☐ There is a difference in JSON between an integer and a float
- ✓ ☒ [...] is a list
- ✓ ☐ JSON objects must be separated by new lines ("\n")
- ✓ ☒ "null" in JSON is equivalent to "None" in Python
- ✓ ☒ { ... } is an "object" ("hash map")

Question 5

2 / 2 points

The current folder in the terminal is "C:\example" (or /example on a POSIX system).

The program question.py (see below) is in the folder "C:\example\quiz" (/example/quiz).

```
with open("directory/file.txt", "r") as fp:  
    print(fp.read())
```

The file.txt is in the folder "C:\example\directory\file.txt" (/example/directory/file.txt).

Select all correct answers in the list below.

- ✓ ☐ You can run the program by doing "cd directory" and then "python ../quiz/question.py"
- ✓ ☐ The folder "directory" must be the current folder in order to successfully run "python question.py"

- ✓ ☒ You can run the program with "python quiz/question.py"
- ✓ ☐ The program needs to use open("directory\\file.txt") in order to work on Windows computers
- ✓ ☐ You can run the program by doing "cd quiz" and then "python question.py".
- ✓ ☒ file.txt must be in the folder "directory"

Question 6

1 / 1 point

The process of transforming JSON data into Python objects is called...

- ☐ decoding
- ☐ encoding
- ☐ serialization
- ✓ ☒ deserialization
- ☐ compression

Question 7

2 / 2 points

```
import json
```

```
data = {"key": "value", "this": "dictionary", "test": str}
```

```
with open("file.json", "r") as fp:  
    fp.write(data)
```

What is wrong in the code above? Select all that apply.

- ✓ ☒ The programmer should have used the json module instead of fp.write
- ✓ ☐ fp is not a valid variable name for JSON files
- ✓ ☐ str cannot be used as a value in a dictionary
- ✓ ☒ Python is not able to write in the "file.json"

Question 8

1 / 1 point

When using "DictReader" from the Python CSV module, what is the type of the elements returned?

- ☐ list
- ✓ ☒ dict
- ☐ csv

☐ str

Question 9

0.5 / 0.5 points

When using the CSV module in Python, data must be separated by commas (,)

☐ True

✓ ☒ False

Attempt Score:  11.5 / 11.5 - 100 %

Overall Grade (highest attempt):  11.5 / 11.5 - 100 %

Done