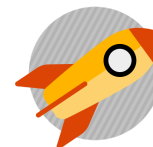


Quiz 5

Due May 4 at 1:59am**Points** 24**Questions** 6**Available** until May 7 at 1:59am**Time Limit** 15 Minutes**Allowed Attempts** 2

Instructions

File handling, pickling, JSON



The questions are all multiple choice or true/false. You may take the quiz twice, with 15 minutes for each attempt. Questions may differ between attempts. The highest score of the two attempts will be considered. You can only view the results once, immediately after finishing an attempt.

This is an open book test, however, you may not share the questions/answers of your quiz with others.

Attempt History

	Attempt	Time	Score
KEPT	Attempt 1	11 minutes	24 out of 24
LATEST	Attempt 2	2 minutes	20 out of 24
	Attempt 1	11 minutes	24 out of 24

⚠ Correct answers are hidden.

Score for this attempt: **20** out of 24

Submitted May 3 at 8:26pm

This attempt took 2 minutes.

Question 1

4 / 4 pts

Say we want to write some information to a file using

```
with open('stuff.txt', 'w') as outfile:  
    for thing in things:  
        outfile.write(thing + '\n')
```

What type can each *thing* item be?

- ☐ Any iterable type
- ☒ String only
- ☐ String, int, float, bool
- ☐ Int or float only

Question 2

4 / 4 pts

Which of these is a main difference between **text** and **binary** files?

- ☐ Binary files can only be opened once, while text files can be opened multiple times.
- ☒ Text files are composed with characters and are (usually) readable by humans, while binary files are (usually) not.
- ☐ Binary files are always two times as large as text files, no matter what is in them.
- ☐ Text files are not readable by humans because they are composed of bits, but binary files usually are.

Question 3

4 / 4 pts

Match the example file to its type.

hello_world.py

text



doge.jpg

binary



log.txt

text



pets.pkl

binary



Question 4

4 / 4 pts

When should you use the pickle module?



When you want to read a text file.



When you see an email from a stranger in your spam folder that says, "Here's some free bitcoin!!!" and it has a .pkl attachment.



When you want to exchange data between programming languages.



When you want to save a Python data structure like a list, set, or dictionary.

Question 5

4 / 4 pts

If you were to use the following code to write a file,

```
cat_list = ['Siamese', 'Manx', 'Abyssinian', 'Savannah', 'Ragdoll']  
with open('cats.txt', 'w') as outfile:  
    for cat in cat_list:  
        outfile.write(cat + '\n')
```

what would happen if 'cats.txt' already exists?

☐

The contents of cat_list would merge with the cats.txt contents in unpredictable ways, potentially creating an unreadable file.

☒

The cats.txt would be overwritten (i.e. the contents would be replaced).

☐

The program would pause and a message would pop up that says, "Are you sure you want to overwrite 'cats.txt'? This action cannot be undone."

☐

The cats.txt file would be modified, and the items in cat_list would be added to it.

Incorrect

Question 6

0 / 4 pts

Given a file, "browsers.txt" that looks like

```
firefox  
chrome  
brave  
edge  
safari  
internet explorer  
opera
```

What would be the expected output of the following code?

```
with open('browsers.txt', 'r') as infile:  
    for line in infile:  
        if "er" in line:  
            print(line.strip())
```

(*Note that / represent line breaks in the answer options.)

☐ firefox/chrome/internet explorer/opera

☐ er/er

☐ internet explorer/opera

☒ internet explorer\n/opera\n

Quiz Score: **20** out of 24