

## Learning Quiz 13: Files

**Due** Oct 16 at 1pm    **Points** 5    **Questions** 5    **Available** until Dec 4 at 11:59pm    **Time Limit** None  
**Allowed Attempts** Unlimited

### Instructions

Prior to completing this quiz, you should have read:

- Section 4.3, Files (p. 107-115)

Please also go over Practice Problems 4.8, 4.9, 4.10 in the textbook (solutions at the end of the chapter) before attempting this quiz.

This quiz was created for learning purposes. You may attempt this quiz as many times as you would like. The highest score *prior to the deadline* will count towards the final course grade. No late submissions will be accepted.

Take the Quiz Again

### Attempt History

	Attempt	Time	Score
LATEST	<a href="#">Attempt 1</a>	16 minutes	3 out of 5

Score for this attempt: **3** out of 5

Submitted Oct 15 at 11:34pm

This attempt took 16 minutes.

#### Question 1

1 / 1 pts

Compare the two file modes:

```
file1 = open('file1.txt', 'r')
file2 = open('file2.txt', 'w')
```

True or false: Reading mode ('r') is used to read from a file. Writing mode ('w') is used to write a new file if the file doesn't exist, or add to the end of the file if the file already exists.

☐ True

☒ False

Correct!

That's right! Append mode ('a') will add to the end of the file if the file already exists. Writing mode will overwrite files if they already exist. That means any previous information will be lost.

## Question 2

0 / 1 pts

Suppose our 'file1.txt' file contains the following text:

```
This is a line.  
This is a new line.  
This is another new line. Let's continue this line.  
I'm done. Bye bye.
```

Consider the following lines of code:

```
file1 = open('file1.txt', 'r')  
file1.read(5)  
a = file1.read(5)  
b = file1.readline()
```

Notice where the cursor starts with each read or readline. It continues from the previous position.

What is stored in a? b?

You Answered

a

'This '



Correct Answer

'is a '

You Answered

b

'This is a line.'



Correct Answer

'line.'

Other Incorrect Match Options:

- 'This is a line.'
- 'This '
- 'new l'
- 'This is a '
- 'is a line.'
- 'This is a new line.'

## Question 3

1 / 1 pts

Although your program will not crash if you leave a file open, it's important to make it a habit to close files. Closing a file releases the file system resources that keep track of information about the opened file (such as the cursor position information).

A programmer opened 'file1.txt' and is done reading through the file. Here is the first few lines of the programmer's code.

```
myfile = open('file1.txt', 'r')
a = myfile.read(10)
...
```

Which line of code below closes the file?

- ☐ file1.close()
- ☒ myfile.close()
- ☐ file1.txt.close()
- ☐ file1.open()
- ☐ X
- ☐ close()

Correct!

#### Question 4

0 / 1 pts

A programmer wants to erase and update the following a text file titled 'myfile.txt'. What should the programmer enter in the blank to achieve his goal?

myfile = open('myfile.txt', 'a')

Answer 1:

a

You Answered

w

Correct Answer

r+

Correct Answer

#### Question 5

1 / 1 pts

Suppose our 'file1.txt' file contains the following text:

```
This is a line.
This is a new line.
This is another new line. Let's continue this line.
I'm done. Bye bye.
```

Consider the following lines of code:

```
file1 = open('file1.txt', 'r')
file1.read(5)
```

```
a = file1.read(5)
b = file1.readline()
c = file1.readlines()
```

You can use len() to get the length of the string or list of a, b, and c. What is the length of a, b, and c?

Correct!

**a**

5



Correct!

**b**

6



Correct!

**c**

3



Other Incorrect Match Options:

- 8
- 2
- 4
- 9
- 7
- 1

Quiz Score: **3** out of 5