

Chapter 7 Quiz

Quiz, 10 questions

1
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1.

Given the architecture and terminology we introduced in Chapter 1, where are files stored?

- ☐ Main Memory
 - ☐ Motherboard
 - ☐ Machine Language
 - ☒ Secondary memory
-

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2.

What is stored in a "file handle" that is returned from a successful **open() call**?

- ☐ The handle has a list of all of the files in a particular folder on the hard drive
 - ☐ The handle contains the first 10 lines of a file
 - ☒ The handle is a connection to the file's data
 - ☐ All the data from the file is read into memory and stored in the handle
-

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3.

What do we use the second parameter of the **open() call to indicate**?

- ☒ Whether we want to read data from the file or write data to the file
 - ☐ What disk drive the file is stored on
 - ☐ The list of folders to be searched to find the file we want to open
 - ☐ How large we expect the file to be
-

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4.

What Python function would you use if you wanted to prompt the user for a file name to open?

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- ☐ file_input()
- ☒ input()
- ☐ read()
- ☐ cin

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5.

What is the purpose of the newline character in text files?

- ☐ It indicates the end of one line of text and the beginning of another line of text
- ☐ It allows us to open more than one files and read them in a synchronized manner
- ☐ It enables random movement throughout the file
- ☒ It adds a new network connection to retrieve files from the network

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6.

If we open a file as follows:

```
1 xfile = open('mbox.txt')
```

What statement would we use to read the file one line at a time?

☐

```
1 while line = xfile.gets|
```

☐

```
1 while ((line = xfile.readLine()) != null) {|
```

☒

```
1 for line in xfile:|
```

☐

```
1 while (<xfile>) {|
```

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What is the purpose of the following Python code?

```
1 fhand = open('mbox.txt')
2 x = 0
3 for line in fhand:
4     x = x + 1
5 print(x)
```

- ☐ Reverse the order of the lines in mbox.txt
- ☒ Count the lines in the file 'mbox.txt'
- ☐ Convert the lines in mbox.txt to lower case
- ☐ Remove the leading and trailing spaces from each line in mbox.txt

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8.

If you write a Python program to read a text file and you see extra blank lines in the output that are not present in the file input as shown below, what Python string function will likely solve the problem?

```
1 From: stephen.marquard@uct.ac.za
2
3 From: louis@media.berkeley.edu
4
5 From: zqian@umich.edu
6
7 From: rjlowe@iupui.edu
8
9 ...
```

- ☐ find()
- ☒ strip()
- ☐ startswith()
- ☐ ljust()

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9.

The following code sequence fails with a traceback when the user enters a file that does not exist. How would you avoid the traceback and make it so you could print out your own error message when a bad file name was entered?

```
1 fname = input('Enter the file name: ')
2 fhand = open(fname)
```

- ☐ begin / rescue / end
- ☐ setjmp / longjmp



signal handlers

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10.

What does the following Python code do?

```
1 fhand = open('mbox-short.txt')
2 inp = fhand.read()
```

- ☐ Prompts the user for a file name
- ☐ Turns the text in the file into a graphic image like a PNG or JPG
- ☒ Reads the entire file into the variable **inp** as a string
- ☐ Checks to see if the file exists and can be written



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