

Chapter 7

Total points 10

Question 1

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

1 / 1 point

Motherboard

Secondary memory

Machine Language

Main Memory

Question 2

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

The handle contains the first 10 lines of a file

1 / 1 point

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

The handle has a list of all of the files in a particular folder on the hard drive

Question 3

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

1 / 1 point

The list of folders to be searched to find the file we want to open

What disk drive the file is stored on

How large we expect the file to be

Whether we want to read data from the file or write data to the file

Question 4

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

1 / 1 point

`file_input()`

gets()

alert()

input()

Question 5

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

1 / 1 point

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

It indicates the end of one line of text and the beginning of another line of text

Question 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 / 1 point

for line in xfile:

while (<xfile>) {

while ((line = xfile.readLine()) != null) {

while line = xfile.gets

Question 7

What is the purpose of the following Python code?

1 / 1 point

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

Convert the lines in mbox.txt to upper case

Reverse the order of the lines in mbox.txt

Remove the leading and trailing spaces from each line in mbox.txt

Count the lines in the file 'mbox.txt'

Question 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 / 1 point

ljust()

find()

rstrip()

startswith()

Question 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 / 1 point

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

signal handlers

setjmp / longjmp

begin / rescue / end

try / except

.Question 10

What does the following Python code do?

1 / 1 point

```
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