Week 3 : quiz

Question 1

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



Secondary memory



Central Processor



Motherboard



Main Memory

**Ans : Secondary 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



The handle is a connection to the file's data



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



All the data from the file is read into memory and stored in the handle

**Ans : The handle is a connection to the file's data**

Question 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



How large we expect the file to be



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

**Ans : 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?



file\_input()



input()



alert()



gets()

**Ans : input()**

Question 5

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



It allows us to open more than one files and read them in a synchronized manner



It enables random movement throughout the file



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



It adds a new network connection to retrieve files from the network

**Ans : 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

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





1

while line = xfile.gets





1

for line in xfile:





1

while (<xfile>) {

**Ans : for line in xfile**

Question 7

What is the purpose of the following Python code?



1

2

3

4

5

fhand = open('mbox.txt')

x = 0

for line in fhand:

x = x + 1

print(x)



Count the lines in the file 'mbox.txt'



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



Convert the lines in mbox.txt to lower case



Reverse the order of the lines in mbox.txt

**Ans : 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

2

3

4

5

6

7

8

9

From: stephen.marquard@uct.ac.za

From: louis@media.berkeley.edu

From: zqian@umich.edu

From: rjlowe@iupui.edu

...



ljust()



trim()



split()



rstrip()

**Ans : rstrip()**

9.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

2

fname = input('Enter the file name: ')

fhand = open(fname)



try / catch / finally



signal handlers



try / except



setjmp / longjmp

**Ans : try / except**

10.Question 10

What does the following Python code do?



1

2

fhand = open('mbox-short.txt')

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

**Ans : Reads the entire file into the variable inp as a string**