Mission 15 - Cyber Storm Review Questions

1	Which of the following parts is NOT in the header?	a. From b. To c. Date d. Body
2	Which of these statements about an email body is FALSE?	a. An email body can be multiple lines b. An email body starts with 'Body: ' c. An email body is separated from the header with a blank line d. An email body includes all lines after '\r\n'
3	Why would you use **with** to open a file?	a. It opens more quickly than f = open(filename) b. It merges two files together c. It will close the file automatically d. It appends the new file with an open file
4	What does the **'a'** mean in **open(filename, 'a')**?	a. Append b. Read-only c. Write-only d. Write-over
5	What character is this escape sequence? '\n'	a. Carriage return b. New line c. Tab d. White space
6	Which of the characters is NOT part of whitespace?	a. '\r' b. '\t' c. ' ' d. '*'

7	Given this code, what is **x**?
	
	 ```with open(email_file, 'r') as f:```
	 ``` for x in f:```
	 ``` print(x)```
		a. A line in the file
		 b. A character in the file
		 c. The heading of the email
		 d. The entire file

8	What does this code do?
	
	 ```with open(email_file, 'r') as f:```
	 ``` email = ''```
	 ``` for line in f:```
	 ``` email = email + line.strip()```
	 ``` print(email)```
		a. Creates a dictionary of lines from a file
		 b. Removes whitespace from a line and appends to a list
		 c. Removes whitespace from a line and appends to a string
		 d. Adds a blank line to a file and creates a matrix

9	Given the code, what will print?
	
	``python
	line = " Python coding...I love it! "
	message = line.strip()
	if message.startswith("Py"):
	    print(message)
	else:
	    print('none')
	``
		a. 'message'
		b. Python coding...I love it!
		c. Python coding...I love it!
		d. none

10	Given the code, what will print?
	
	``python
	message = 'Earth Day'
	new_text = message[1:4]
	print(new_text)
	``
		a. Earth Day
		b. arth
		c. art
		d. message[1:4]

11	Given the code, what will print?
	
	``python
	message = 'Monday!'
	new_text = message[3:]
	print(new_text)
	``
		a. An error occurs
		b. day
		c. nday!
		d. day!

12	What condition identifies the start of the body of an email?	a. line == f.body b. line.strip() == ' ' c. f.body == ' ' d. line.strip() == '\r\n'
13	What does the + mean when used with strings?	a. Convert the data to an integer b. Join two strings c. Compare two strings d. Add an item to a list
14	Which statement is True?	a. 'i' in 'team' b. 'is' in 'virus' c. 'code' in 'coding' d. 'eat' in 'threat'

15	Given the code, what will print?
	
	``python
	message = "I love Python coding"
	if 'love' not in message:
	    print('*')
	else:
	    print(message)
	``
		a. I love Python coding
		b. *
		c. *I love Python coding
		d. An error occurs

16	Given the code, what will print?
	``python
	message = "I am sad"
	if 'sad' in message:
	    message = message.replace('sad', 'HAPPY')
	
	print(message)
	``
		a. I am sad
		b. I am HAPPY
		c. HAPPY
		d. An error occurs

17	What does this code do? `os.path.exists('blocklist.csv')`	a. Creates a new file called blocklist.csv b. Create a path for the file blocklist.csv c. Returns True if the file blocklist.csv exists d. Returns True if the file blocklist.csv can be created

18	What does this code do?
	
	`data = f.read()`
	`blocklist = data.split(',')`
		a. Splits a string by commas and creates a list
		b. Splits a string by commas and creates a dictionary
		c. Splits a string by commas and writes to a file
		d. Adds commas to a list to create a string

19	What does this code do?
	
	`bl_entry = eml['from'] + ','`
	`f.write(bl_entry)`
		a. Removes the comma (,) from an entry and writes to a file
		b. Adds a comma to the end of an entry and writes to file
		c. Checks if the entry has a comma, and if so writes to a file
		d. Separates entries in a list and then writes to a file

20	What does this code do?
	
	`if sender in blocklist:`
	`    os.remove(filename)`
		a. Iterates over the blocklist list and removes a file if sender is in the list
		b. Checks if the word 'sender' is in the word 'blocklist', and then removes a file
		c. Iterates over the sender list and removes a file if blocklist is in the list
		d. Reads from the blocklist file and removes a file if sender is found.