

Unit 6 Vocabulary (Review and Exam)

1	File operation	<ul style="list-style-type: none">a. A list of disallowed sendersb. The way a file is accessedc. Using files in Python programd. Save buffered data and close the file
2	Mode	<ul style="list-style-type: none">a. A list of disallowed sendersb. The way a file is accessedc. Using files in a Python programd. Save buffered data and close the file
3	Flush	<ul style="list-style-type: none">a. A list of disallowed sendersb. The way a file is accessedc. Using files in Python programd. Save buffered data and close the file
4	Blocklist	<ul style="list-style-type: none">a. A list of disallowed sendersb. The way a file is accessedc. Using files in Python programd. Save buffered data and close the file
5	with	<ul style="list-style-type: none">a. A type of loop that automatically closes a fileb. A function that removes characters from the beginning of a stringc. Operators used in a loop to check if a value does or doesn't existd. A function that returns True if the string begins with the argument
6	startswith()	<ul style="list-style-type: none">a. A type of loop that automatically closes a fileb. A function that removes characters from the beginning of a stringc. Operators used in a loop to check if a value does or doesn't existd. A function that returns True if the string begins with the argument
7	in / not in	<ul style="list-style-type: none">a. A type of loop that automatically closes a fileb. A function that removes characters from the beginning of a stringc. Operators used in a loop to check if a value does or doesn't existd. A function that returns True if the string begins with the argument
8	whitespace	<ul style="list-style-type: none">a. A way to insert special characters in a stringb. Appending or joining a stringc. A multidimensional listd. Characters in a string that are not visible, like a tab
9	concatenation	<ul style="list-style-type: none">a. A way to insert special characters in a stringb. Appending or joining a stringc. A multidimensional listd. Characters in a string that are not visible, like a tab
10	matrix	<ul style="list-style-type: none">a. A way to insert special characters in a stringb. Appending or joining a stringc. A multidimensional listd. Characters in a string that are not visible, like a tab

Unit 6 Review Questions (in Kahoot)

1	What data structure is used to store the notes and frequencies for the jukebox? <pre>freqs = { "A": 1760, "B": 1976, "C": 1047, "D": 1175, "E": 1319, }</pre>	<ul style="list-style-type: none">a. Stringb. Listc. Dictionaryd. Tuple
2	What data structure is used to store the song files for the jukebox? <pre>song_files = ['jingle_bells_song.csv', 'twinkle_twinkle_song.csv', 'rain_rain_song.csv', 'black_sheep_song.csv']</pre>	<ul style="list-style-type: none">a. Stringb. Listc. Dictionaryd. Tuple
3	What is the data structure of a? <pre>a = 'A B C'</pre>	<ul style="list-style-type: none">a. List of stringsb. Stringc. List with a list of two stringsd. List with a list of string and integer
4	What is the data structure of b? <pre>b = ['A', 'B', 'C']</pre>	<ul style="list-style-type: none">a. List of stringsb. Stringc. List with a list of two stringsd. List with a list of string and integer
5	What is the data structure of d? <pre>d = [['A', '1'], ['B', '2'], ['C', '3']]</pre>	<ul style="list-style-type: none">a. List of stringsb. Stringc. List with a list of two stringsd. List with a list of string and integer
6	What does the code do? <pre>something = open('thing_name')</pre>	<ul style="list-style-type: none">a. Opens file "thing_name" in read-only modeb. Opens the file "thing_name" in write modec. Writes the file "something" to "thing_name"d. Splits the contents of "thing_name" into a list of lists
7	What does this code do? <pre>something = open('thing_name', 'w')</pre>	<ul style="list-style-type: none">a. Opens file "thing_name" in read-only modeb. Opens the file "thing_name" in write modec. Writes the file "something" to "thing_name"d. Splits the contents of "thing_name" into a list of lists
8	Why would you use with to open a file?	<ul style="list-style-type: none">a. It opens more quickly than <code>f = open(filename)</code>b. It merges two files togetherc. It will close the file automaticallyd. It appends the new file with an open file
9	Given this code, what is x? <pre>with open(email_file, 'r') as f: for x in f: print(x)</pre>	<ul style="list-style-type: none">a. A line in the fileb. A character in the filec. The heading of the emaild. The entire file

10	<p>What does this code do?</p> <pre>with open(email_file, 'r') as f: email = '' for line in f: email = email + line.strip() print(email)</pre>	<ul style="list-style-type: none"> 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
11	<p>What line of code will return a string from an open file?</p>	<ul style="list-style-type: none"> a. f.open() b. f.close() c. f.read() d. f.readline()
12	<p>What line of code will return a list of strings from an open file?</p>	<ul style="list-style-type: none"> a. -f.open() b. f.close() c. f.read() d. f.readline()
13	<p>What does this code do?</p> <pre>something.write('Hello World')</pre>	<ul style="list-style-type: none"> a. Assigns the string 'Hello World' to "something" b. Writes 'Hello World' to the console c. Creates a writable file named "Hello World" d. Writes the text 'Hello World' to the file represented by "something"
14	<p>What code converts a string into a list? See example below:</p> <pre>a = "A B C" b = ["A", "B", "C"]</pre>	<ul style="list-style-type: none"> a. b = a.split() b. a = b.split() c. b = a.split(',') d. a = b.split(',')
15	<p>What code converts a string with commas into a list? See example below:</p> <pre>a = "A,6" b = ["A", "6"]</pre>	<ul style="list-style-type: none"> a. b = a.split() b. a = b.split() c. b = a.split(',') d. a = b.split(',')
16	<p>What does this code do?</p> <pre>for note, beats in song: f = freqs[note] spkr.pitch(f) sleep(beats)</pre>	<ul style="list-style-type: none"> a. Causes an error b. Traverse a list of lists in a for loop to play notes of a song c. Use two variables in a for loop to play notes of a song d. Traverse a list of notes to play a song
17	<p>What does this code do?</p> <pre>song_list = [] for filename in song_files: s = decode_song_file(filename) song_list.append(s)</pre>	<ul style="list-style-type: none"> a. Creates a list of song filenames b. Removes song filenames from a list c. Splits a list of songs into notes d. Creates a list of lists, which contain notes of songs
18	<p>Given the code, what will print?</p>	<ul style="list-style-type: none"> a. 'message' b. Python coding...I love it! c. Python coding...I love it! d. None

	<pre> line = " Python coding...I love it! " message = line.strip() if message.startswith("Py"): print(message) else: print('none') </pre>	
19	<p>Given the code, what will print?</p> <pre> message = 'Earth Day' new_text = message[1:4] print(new_text) </pre>	<ul style="list-style-type: none"> a. Earth Day b. arth c. art d. message[1:4]
20	<p>Given the code, what will print?</p> <pre> message = 'Monday!' new_text = message[3:] print(new_text) </pre>	<ul style="list-style-type: none"> a. An error occurs b. day c. nday! d. day!
21	<p>What condition identifies the start of the body of an email?</p>	<ul style="list-style-type: none"> a. line == f.body b. line.strip() == '' c. f.body == '' d. line.strip() == '\r\n'
22	<p>Given the code, what will print?</p> <pre> message = "I love Python coding" if 'love' not in message: print('*') else: print(message) </pre>	<ul style="list-style-type: none"> a. I love Python coding b. * c. *I love Python coding d. An error occurs
23	<p>Given the code, what will print?</p> <pre> message = "I am sad" if 'sad' in message: message = message.replace('sad', 'HAPPY') print(message) </pre>	<ul style="list-style-type: none"> a. I am sad b. I am HAPPY c. HAPPY d. An error occurs
24	<p>What does this code do?</p> <pre> bl_entry = eml['from'] + ',' f.write(bl_entry) </pre>	<ul style="list-style-type: none"> 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 a 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
25	<p>What does this code do?</p> <pre> if sender in blacklist: os.remove(filename) </pre>	<ul style="list-style-type: none"> a. Iterates over the blacklist list and removes a file if sender is in the list b. Checks if the word 'sender' is in the 'blacklist', and then removes a file c. Iterates over the sender list and removes a file if blacklist is in the list d. Reads from the blacklist file and removes a file if sender is found.

Unit 6 Exam Questions (in Microsoft Forms)

1	What is the data type of citrus? <pre>citrus = { 'orange': 20, 'lemon' : 25, 'lime' : 30, }</pre>	<ul style="list-style-type: none">a. Stringb. Listc. Tupled. Dictionary
2	What is the data type of veggies? <pre>veggies = ['carrots', 'peas', 'green beans']</pre>	<ul style="list-style-type: none">a. Stringb. Listc. Tupled. Dictionary
3	What is the data type of x? <pre>x = 'h e l l o'</pre>	<ul style="list-style-type: none">a. Stringb. Listc. Tupled. List of strings
4	What is the data type of y? <pre>y = ['h', 'e', 'l', 'l', 'o']</pre>	<ul style="list-style-type: none">a. Stringb. List of stringsc. List of lists with 2 stringsd. List of lists with a string and integer
5	What is the data type of z? <pre>z = [['h', 1], ['e', 1], ['l', 2], ['o', 1]]</pre>	<ul style="list-style-type: none">a. A string and an integerb. List of stringsc. List of lists with 2 stringsd. List of lists with a string and integer
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8	Why would you use with to open a file?	<ul style="list-style-type: none">a. It will close the file automaticallyb. It opens more quickly than <code>f = open(filename)</code>c. It merges two files togetherd. It appends the new file with an open file
9	Given this code, what is x? <pre>with open(email_file, 'r') as f: for x in f: print(x)</pre>	<ul style="list-style-type: none">a. The entire fileb. A character in the filec. A line in the filed. The heading of the email

10	<p>What does this code do?</p> <pre>with open(email_file, 'r') as f: email = '' for line in f: email = email + line.strip() print(email)</pre>	<ul style="list-style-type: none"> a. Creates a dictionary of lines from a file b. Removes whitespace from a line and appends to a string c. Removes whitespace from a line and appends to a list d. Adds a blank line to a file and creates a matrix
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17	<p>What does this code do?</p> <pre>for note, beats in song: f = freqs[note] spkr.pitch(f) sleep(beats)</pre>	<ul style="list-style-type: none"> a. Traverse a list of lists in a for loop to play notes of a song b. Use two variables in a for loop to play notes of a song c. Traverse a list of notes to play a song d. Causes an error
18	<p>What condition identifies the start of the body of an email?</p>	<ul style="list-style-type: none"> a. line == f.body b. line.strip() == '' c. f.body == '' d. line.strip() == '\r\n'

19	<p>What will print when the code runs?</p> <pre> line = " Growth Mindset" message = line.strip() if message.startswith('Mi'): print("Excellent") else: print(message) </pre>	<ul style="list-style-type: none"> a. Excellent b. Growth Mindset c. Growth Mindset d. An error occurs
20	<p>What will print when the code runs?</p> <pre> message = "Ada Lovelace" new_text = message[4:9] print(new_text) </pre>	<ul style="list-style-type: none"> a. 'Lovel' b. 'Love' c. ' Love' d. 'Lovela'
21	<p>What will print when the code runs?</p> <pre> message = "Coding is fun!" new_text = message[7:] print(new_text) </pre>	<ul style="list-style-type: none"> a. ' is fun' b. is fun c. is fun! d. An error occurs
22	<p>What will print when the code runs?</p> <pre> message = "Coding is fun!" if 'fun' not in message: print(message) else: print(':(') </pre>	<ul style="list-style-type: none"> a. An error occurs b. Coding is fun! c. fun d. :(
23	<p>What will print when the code runs?</p> <pre> message = "I will sleep" if 'will' in message: message = message.replace("will", "won't") print(message) </pre>	<ul style="list-style-type: none"> a. I will sleep b. I won't sleep c. will won't d. won't
24	<p>What does this code do?</p> <pre> bl_entry = eml['from'] + ',' f.write(bl_entry) </pre>	<ul style="list-style-type: none"> a. Separates entries in a list and then writes to a file b. Removes the comma (,) from an entry and writes to a file c. Checks if the entry has a comma, and if so writes to a file d. Adds a comma to the end of an entry and writes to a file
25	<p>What does this code do?</p> <pre> if sender in blacklist: os.remove(filename) </pre>	<ul style="list-style-type: none"> a. Iterates over the blacklist list and removes a file if sender is in the list b. Checks if the word 'sender' is in the 'blacklist', and then removes a file c. Iterates over the sender list and removes a file if blacklist is in the list d. Opens the blacklist file and removes a file if sender is found