Mission 14 - Music Box Review Questions

What data structure is used to store the notes and frequencies for the jukebox? `freqs = { "A": 1760, "B": 1976, "C": 1047, "D": 1175, "E": 1319, }`	a. String b. List c. Dictionary d. Tuple
What data structure is used to store the song files for the jukebox? `song_files = [ 'jingle_bells_song.csv', 'twinkle_twinkle_song.csv', 'rain_rain_song.csv', 'black_sheep_song.csv' ]`	a. String b. List c. Dictionary d. Tuple
What is the data structure of a? `a = 'A B C'`	a. List of strings b. String c. List with a list of two strings d. List with a list of string and integer
What is the data structure of b? `b = ['A', 'B', 'C']`	a. List of strings b. String c. List with a list of two strings d. List with a list of string and integer
What is the data structure of c? `c = [['A', 1], ['B', 2], ['C', 3]]`	a. List of strings b. String c. List with a list of two strings d. List with a list of string and integer
What is the data structure of d? `d = [['A', '1'], ['B', '2'], ['C', '3']]`	a. List of strings b. String c. List with a list of two strings d. List with a list of string and integer
Given the data structure, what code will find the frequency of a given note? `freqs = { "A": 1760, "B": 1976, "C": 1047, "D": 1175, "E": 1319, }`	a. f = freqs[note] b. f = freqs(note) c. f = freqs.split(‘,’) d. f = freqs.split()

What is the value of x? `x = int("5")`	a. "5" b. 5.0 c. 5 d. Causes an error
What is the default mode of open()?	A. True B. read and write C. read-only D. write-only
What does the code do? `something = open('thing_name')`	a. Opens file "thing_name" in read-only mode b. Opens the file "thing_name" in write mode c. Writes the file "something" to "thing_name" d. Splits the contents of "thing_name" into a list of lists
What does this code do? `something = open('thing_name', 'w')`	a. Opens file "thing_name" in read-only mode b. Opens the file "thing_name" in write mode c. Writes the file "something" to "thing_name" d. Splits the contents of "thing_name" into a list of lists
What does this code do? `something.write('Hello World')`	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"
What line of code will return a string from an open file?	a. f.open() b. f.close() c. f.read() d. f.readline()
What line of code will return a list of strings from an open file?	a. -f.open() b. f.close() c. f.read() d. f.readline()
What line of code is needed when you are done with a file?	a. f.open() b. f.close() c. f.read() d. f.readline()
What code converts a string into a list? See example below: `a = "A B C"` `b = ["A", "B", "C"]`	a. b = a.split() b. a = b.split() c. b = a.split(',') d. a = b.split(',')
What code converts a string with commas into a list? See example below: `a = "A,6"` `b = ["A", "6"]`	a. b = a.split() b. a = b.split() c. b = a.split(',') d. a = b.split(',')
What does this code do?	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

`` for notes in song: f = freqs[note] spkr.pitch(f) sleep(0.5) ```	
What does this code do? ``` for note, beats in song: f = freqs[note] spkr.pitch(f) sleep(beats) ```	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
What does this code do? ``` song_list = [] for filename in song_files: s = decode_song_file(filename) song_list.append(s) ```	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