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| **Mission 14 Assignment** | **Name:** |
| **Pre-Mission Preparation** | |
| This mission will use CodeBot’s speaker to play music. What do you remember about CodeBot’s sound code? |  |
| **Mission 14 Checks** | |
| Objective #1  In previous missions, CodeBot played only 1 or 2 notes. In this mission, what data structure do you use to keep track of several notes? |  |
| Objective #2  What variables do you need to add?  What is the code for the beginning of the loop to play each note in the song? |  |
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| Objective #3  How do you convert a string to a list? |  |
| Objective #4  Paste the text of “old\_man\_song.txt”: |  |
| Objective #5  What is the default mode of open()  What code is needed when you are done with a file?  What function is used to get data from the file? |  |
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| Objective #6  What is the code you added to the program for creating a new file and putting data in it? |  |
| Objective #7  What is a list of lists called?  How did you change the for loop to use a target list for your song? |  |
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| Objective #8  What changes did you make to the for loop when the beats are strings? |  |
| Objective #9  What code returns a list of strings from a file?  What two lines of code are needed to change a list of strings into a list of lists? |  |
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| Objective #10  What changes did you make to your program to make it a jukebox that plays a song after a button press? |  |
| **Post-Mission Reflection** | |
| This mission introduced a lot of new concepts and code. What do you find most useful? |  |
| What new concepts or code do you find confusing, or need more practice with? |  |