I210 Turn-In Sheet: Mastery Project 2

*Fill in the sheet anywhere there is a yellow arrow! This is IN ADDITION to your Python file.*

**→ Your name: Aspen Lara**

For this assignment, please submit:

1. **This “turn in” worksheet** *(completed - required)*
2. Your **Mastery Project 2,** named **MP2-YourLastName-YourFirstName.py** and **my\_mod.py**

**Part 1** (3 pts)

**→ What Python module did you use to read in the data? csv**

**→ What data type is the band data you loaded? Tabular data**

**→ How did you ensure the data prints in aligned columns? I left aligned the second column using {:<50} in the print statement to line them up.**

**Part 2** (4 pts)

**→ How did you tally the number of bands formed in each country? Because tuples are immutable, I had to create a dictionary first to increment the totals for each country, and then create tuples from the dictionary and add them to the list.**

**→ How did you check to see which bands perform the requested style? I checked to see if a certain word entered was in the string value for the dictionary key style.**

**→ What technique did you use to separate musical styles with a space? I used the replace function to replace a comma found in a musical style string with a space.**

**→ How did you ensure that the longest-lived bands are displayed in descending order? I used the sort function with a key set to a function to access the second item of the tuple, and set reverse to True. The function used by the key was named secondElem, and it takes in a tuple and returns the first index of the tuple.**

**Part 3** (2 pts)

**→ How did you ensure that the program keeps running for as long as the user wants to keep interacting with it? I used a while loop for as long as there was user input.**

**→ How did you guard against the possibility that the user might input a value that causes your code to break? I created an else statement that said “Invalid input” and offered the menu option again.**

**Overall** (1 pts)

**→ Your main should be minimal -- most of the code should reside in discrete functions -- briefly explain how you decided what to put in each function for this program?**

Each function in the module completes the task assigned it by the option chosen in the main menu. While the functions complete all of the work with accessing the data from the csv file, the main program simply gets user input and calls the functions.