Playlist task

Set up an empty list to hold the contents of the text file being read.

Open the contents of the text file MyPlaylist as a read-only file.

```
# playlist task

# ----------------------------

# global variables

playlist = [] # a list to hold the contents of the file

#----------------------------

# open the file in read-only mode

the_file = open("MyPlaylist.txt","r")
```

Add the lines of the text file to a new list, remembering to strip the new line character.

You can use a for loop to loop over each line in the file and strip it, remembering to write over the line variable with the new stripped line.

```
for line in the_file:

    line = line.strip('\n') # removes the new line character
```

As you are dealing with multiple items on each line, split each line into its own list so you can access each item. Put this inside the for loop

```
    line = line.split(',') # creates a 2D list so each line in the file is
one element in a list

    playlist.append(line)
```

Close the file

```
the_file.close()
```

```
# display the file as a 3 column table with the headings

# Song Title, Artist, Song Length

layout = "{:<20} | {:^20} | {:^20}" # use the PLS for the syntax

print(layout.format("Song Title", "Artist", "Song Length"))

print("=" * 65) # separator line

# new layout for the content of the table

layout = "{:<20} | {:^20} | {:^20}"

# loop over the list

for i in range(len(playlist)):

    print(layout.format(playlist[i][0], playlist[i][1], playlist[i][2]))

# use the debugger (remember you can double-click on a line number to start the
debugger at a particular line) to understand how this for loop works.
```