Nate Wellek

Final Project ReadMe

1. My project is a data mash-up
2. My project takes the top 100 from Spotify, iTunes, and Billboards top 100. IT then sees where songs are the same and creates an average ranking. It is organized in the csv by average rank of each song.
3. Final.py = contains my code. Itunesdata.txt = is the top 100 from itunes from today.
4. Requests, json, the billboards module found on github (this will need to downloaded), test106
5. I used the Spotify API
6. Simply run the final.py file. It will ask for the spotify oauth. Go to spotify developer (link in the code when run) and enter the oauth. After this it will create a csv file and that is where the data can be view.
7. 1. Accumulation Pattern: 15-25
   2. Sorting w/ key function: 153
   3. Class Def: 6
   4. Instances of the class: 8
   5. Calling methods on an instance: 40/50s
   6. Import modules: 1-4
   7. Use of module: 102, 109, 116
   8. List comprehension: 104, 110, 119
   9. Test cases: 84-89, 106, 113, 123
8. I was curious to know where there would be song discrepancies in different top 100’s. Thus by running the code, it gives the user a top 100 that takes in multiple sites. In addition, I was curious to know which songs would be in the top 100 for some sources, but not others