# Import libraries

import csv

import random

# Open the csv file and read it

file = open("spotify-dataset.csv")

csvreader = csv.reader(file)

# Skip the first row in the csv file

next(csvreader)

# Create list

order = ["Title", "Artist", "Genre", "Year", "BeatsPerMinute", "Energy", "Danceability", "Loudness", \

   "Liveness", "Valence", "Length", "Acousticness", "Speechiness", "Populairty"]

# 2 lists of titles for songs (can be changed ofc)

listened\_songs = ["Rolling in the Deep", "Boyfriend", "Baby"]

unlistened\_songs = ["Bad Romance", "Teenage Dreams", "Dynamite"]

# Function that makes the song dictionaries (songs)

def make\_song(row):

   song = dict()

   for i in range(len(row)):

       song[order[i]] = row[i]

   return song

# Create the all\_songs dictionary

all\_songs = []

# Import all the songs into the all\_songs dictionary

for row in csvreader:

   all\_songs.append(make\_song(row))

# Create the list\_of\_playlists list

list\_of\_playlists= []

# Create 100 playlists with each 50 random songs.

for playlist\_num in range(100):

   playlist = []

   for song\_num in range(50):

       playlist.append(random.choice(all\_songs))

   list\_of\_playlists.append(playlist)

# Function to find the playlist with the 3 listened songs and 3 unlistened songs, and return 5 songs from that playlist

# def find\_playlist(listened\_songs, unlistened\_songs, list\_of\_playlists):

#     songs\_to\_search\_for = listened\_songs.extend(list\_of\_playlists)

#     for i in range(100):

#         for song in list\_of\_playlists[i]:

???

#            if songs\_to\_search\_for[i] == song["Title"]:

#

#find\_playlist(listened\_songs, unlistened\_songs, list\_of\_playlists)