# This is a sample Python script made by the CLS team for the purposes of the demonstration.

# This is a comment

# Press run to execute the script

#####################################################################

# Material Set Up - Do not think about that part

class mySong:

def \_\_init\_\_(self, artist, name, duration, cost, liked):

self.artist = artist

self.name = name

self.duration = duration

self.cost = cost

self.liked = liked

# creating a list of songs that will contain the songs

classicalMusicLibrary = [mySong('Mozart', 'Eine Kleine Nachtmusik', "18:40", 3.99, False),

mySong('Beethoven', 'Fur Elise', "2:58", 4.99, False),

mySong('Vivaldi', 'Four Seasons', "42:00", 3.99, False),

mySong('Bach', 'Cello Suite', "18:30", 4.99, False)]

# adding songs [elements] to list

#####################################################################

# Interactive Part

string = "Your song name"

number = 6

boolean = True

print("Test Scores")

testScores = [101,106,76,12,70]

# Listing scores in a loop

for score in testScores:

print(score, end =" ")

maxScore = testScores[0]

totalScore = 0

testsChecked = 0

for score in testScores:

if score > maxScore:

maxScore = score

totalScore = totalScore + score

testsChecked = testsChecked + 1

print()

print("Highest Test Score: ", maxScore)

print("Average Test Score: ", totalScore/testsChecked)

print("-------------------------------------------------------------------------------")

# # Add your favorite song to our music library!

# artist = "Artist"

# name = "Name"

# duration = "0:00"

# cost = 15.0

# liked = True

# classicalMusicLibrary.append(mySong(artist, name, duration, cost, liked))

# # Listing all of the songs currently stored in your music library through a loop

# for song in classicalMusicLibrary:

# print(song.artist, song.name, song.duration, song.cost, song.liked, sep=', ')

# print("-------------------------------------------------------------------------------")

# # Deciding to purchase few songs

# budget = 15.00

# for song in classicalMusicLibrary:

# if budget >= song.cost:

# budget = budget - song.cost

# print("I can afford that song: " + song.name)

# elif song.liked ==True:

# budget = budget - song.cost

# print("I cannot afford that song, but I like it too much: " + song.name)

# else:

# print("I cannot afford that song: " + song.name)

# print("Budget after the concerts: ", budget)

# if budget < 0:

# print("I am in debt!")

# print("-------------------------------------------------------------------------------")

# # Time for exploration!

# # Suggested Activities

# 0) Print the song you liked!

# for song in ?:

# if song.liked == ?:

# ?

# print("-------------------------------------------------------------------------------")

# # Suggested Activities

# # 1) Print the priciest Song

# maxCost = ?

# for song in ?:

# if song.cost > ?:

# maxCost = ?

# print(maxCost)

# print("-------------------------------------------------------------------------------")

# # Suggested Activities

# # 2) Print how many songs exist

# numberOfSongs = 0;

# for song in ?:

# numberOfSongs=?+?;

# print(numberOfSongs)

# print("-------------------------------------------------------------------------------")

# # Suggested Activities

# # 3) Change the name of one of the songs!

# changedSong = classicalMusicLibrary[?]

# changedSong.? = ?

# for song in classicalMusicLibrary:

# print(song.artist, song.name, song.duration, song.cost, song.liked, sep=', ')

# print("Changed Song: ",changedSong.name)

# print("-------------------------------------------------------------------------------")

# # Suggested Activities

# # 4) Add your own music to the library!

# classicalMusicLibrary.?(mySong(?,?,?,?,?))

# for song in classicalMusicLibrary:

# print(song.artist, song.name, song.duration, song.cost, song.liked, sep=', ')

# print("-------------------------------------------------------------------------------")

# # Suggested Activities

# # 5) Compose your own music library and test how expensive it is to attend all of the events!

# print("Thank you for attending first Computer Literacy Seminar of 2023!")