

CS 101A Homework #8
Due: 11/21/2020, 9:00 pm

Please read the items below carefully:

Create a new Python script file and name it yourlastname_homework8.py, where yourlastname is your last name. Save your file in your homework folder on your computer (a folder that you can easily find). When finished, upload your file on Google Classroom using Homework 8 assignment link.

I should be able to run your complete code without errors.

If you get help from anyone, please, make sure that you actually understand the solution.

Question 1

Create a Python list with your top 3 favorite movies.

Create a separate Python list with your rating (a number between 0 and 100) for each of the three movies.

Question 2

Append one more movie to the list created in Question 1. Append the corresponding rating the ratings list created in Question 1.

Question 3

Print your all your movies and ratings in the following format:

Movie: Interstellar. Rating: 85.

Question 4

Calculate the average rating for all your movies and print it.

Question 5

Write a code that would find a movie with the lowest rating. Then delete this movie and its rating from your lists. Print your updated list.

Question 6

Write a code that would merge your two lists (titles and ratings) into a single nested list. It should have the following format:

[[movie title, rating], [movie title, rating], [movie title, rating]]

Do NOT manually type your entries to create this list. Instead, create a new empty list and add information to it using your list of movie titles and list of movie ratings.

Question 7

Using the newly created nested list, identify a movie with the lowest rating and delete it from the nested list.