

CS Homework #10

Deadline: December 7, 9:00 pm. Save your code as lastname_homework10.py and submit on Edmodo. Please, run your code before submitting. If you get an error, try to fix it before submitting your homework.

This homework is especially important because I want to see how well you understand Python lists. Please, answer as many questions as possible.

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 movies and ratings in the following format, for example: 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.

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 just 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.