1. Given the sets X = {10, 20, 30, 40} and Y = {30, 40, 50, 60}, perform the following operations:
    1. Find the symmetric difference of sets X and Y.
    2. Check if set X is a subset of the set Z = {10, 20, 30, 40, 50}.
    3. Check if set Y is a superset of the set W = {50, 60}.

2. Given the set students = {'Amar', 'Akbar', 'Anthony'}, perform the following operations:
    1. Add a new student 'ARyan' to the set.
    2. Remove 'Anthony' from the set.
    3. Check if 'Anthony' is in the set.

3. Given the string data = " Clean this string! ", perform the following operations:
    1. Remove the leading and trailing whitespace from the string.
    2. Check if the string contains the substring "Clean".
    3. Replace all occurrences of the exclamation mark with a period.

4. Given a dictionary with student names and their scores, perform the following operations by taking inputs from the user:
    1. Add or update the score of a student. Prompt the user for the student's name and score.
    2. Ask the user for a student's name and print their score. If the student is not in the dictionary, print an appropriate message.
    3. Print the average score of all students in the dictionary.

5. Given the list prices = [10.99, 8.49, 14.99, 9.99], perform the following operations:
    1. Increase each price by 10%.
    2. Sort the list in descending order.
    3. Find the sum of all the prices.