1) Given a tuple my_tuple = (10, 20, 30, 40, 50), write a Python program to print the element at index 3.
2) Create a list my_list with elements from 1 to 10. Write a Python program to print elements from index 2 to 6 (inclusive).
3) Create a dictionary my_dict with keys as fruit names and values as their respective quantities. Write a Python program to print the quantity of the fruit 'apple'.
4) Create two sets set1 and set2 with some common elements. Write a Python program to find the common elements between these two sets.
5) Given a list my_numbers = [10, 20, 30, 40, 50], write a Python program to print all elements except the first and last.
6) Given a tuple coordinates = (45, 60, 75), write a Python program to unpack the values and store them in variables x, y, and z. Then, print the sum of these values
7) Create a list of tuples where each tuple contains a name and an associated numeric score. Write a Python program to sort the list based on the numeric score in descending order.
8) Given a dictionary words_count = {'apple': 3, 'banana': 5, 'orange': 2}, write a Python program to create a new dictionary containing only the words with more than 2 occurrences.
9) Given a string sentence = "This is a sample sentence", write a Python program to reverse the order of words in the sentence