Day 5 Assignment

1. Given a dictionary of students and their favourite colours:

   - people={'Arham':'Blue','Lisa':'Yellow',''Vinod:'Purple','Jenny':'Pink'}

   A. Find out how many students are in the list

   B. Change Lisa's favourite colour

   C. Remove 'Jenny' and her favourite colour

   D. Sort and print students and their favourite colours alphabetically by name

2. Write a program to sum all the values of a dictionary.

- **Hint:**
   - dict1 = {'key 1': 200, 'key 2': 300}
- **Expected output**
   - Result: 500

3. Define a function subtract() that takes two lists and returns difference (i.e. excess elements from list1). If list1 = [10, 20, 30, 40] and list2 = [30, 40, 50, 60], then result should be [10, 20].

4. In following text count occurrence of each letter (irrespective of case).

- **Hint:** convert string to same case e.g. text.lower(). Do not use Counter collection.

- **text =** """Python is a high-level general-purpose programming language. Its design philosophy emphasizes code readability with the use of significant indentation. Python is dynamically typed and garbage-collected. It supports multiple programming paradigms, including structured, object-oriented and functional programming."""