Practical Assignment-4

Q1. Write a program to input a string and display the frequency of letters occurring in the list?

Hint: Dictionary can be used for the solution and

>>> frequency('brontosaurus')

   should produce the output as

>>> {'a': 1, 'b': 1, 'o': 2, 'n': 1, 's': 2, 'r': 2, 'u': 2, 't': 1}

Q2. Write a program integer list as input and display only unique values e.g. if the input is [4,2,3,5,4,3,2] the output should be [2,3,4,5].

Q3. Write a program to find trace of a matrix. e.g if the matrix is

2   6   3

4   2   5

5   1   6

The output should be 2+2+6= 10

Q4. Write a program to find correlation of a given 3X3 matrix (between columns of matrix).