1) Find the transpose of a given matrix using list comprehension.

2) Write a Python program to find the repeated items of a tuple.

3) Given a Python list. Turn every item of a list into its square
input: aList = [1, 2, 3, 4, 5, 6, 7]
output: [1, 4, 9, 16, 25, 36, 49]

4) Write a program that reads a string and prints the letters in decreasing order of frequency.

5) Write a program to perform row wise sum and column wise sum of a matrix and store the results in two separate matrices namely row_sum and column_sum

6) Write a program to arrange all the elements in the matrix in descending order.

7) Write a program to check whether two matrices are identical.

8) Write a program to get a sentence as input from the user. Using dictionary draw the histogram of characters and histogram of words in the given sentence.

9) Write a Python script to generate and print a dictionary that contains a number (between 1 and n) in the form (x, x*x).
Sample Dictionary (n = 5) : Expected Output: {1: 1, 2: 4, 3: 9, 4: 16, 5: 25}

10)Create a dictionary with the names as keys and marks as values by user input.

Write a Python program to sum all the marks in a dictionary and display it.