1. Write a Python function to create and print a list where the values are square of numbers between 1 and 20 (both included).

[1, 4, 9, 16, 25, 36, 49, 64, 81, 100, 121, 144, 169, 196, 225, 256, 289, 324, 361, 400]

2. Write a program with function to reverse the elements of a list.

3.Write a program that counts the number of vowels in a given string.

4. Write  a python program to calculate LCM with a user defined function lcm().

5. Write  a python program to with a function that takes a dictionary as a parameter. The function prints the original dictionary, calculates the sum of its values, finds the key with the maximum value, and creates a new dictionary with squared values.