# Assignment No. 2

1.  With a given integral number n, write a program to generate a dictionary that contains (i, i*3) such that is an integral number between 1 and n (both included). and then the program should print the dictionary.

    Suppose the following input is supplied to the program:

    5

    Then, the output should be:

    {1: 1, 2: 8, 3: 27, 4: 64 5: 125}

2.  Write a program that accepts a comma separated sequence of words as input and prints the words in a comma-separated sequence after sorting them alphabetically.

    Suppose the following input is supplied to the program:

    without,hello,bag,world

    Then, the output should be:

    bag,hello,without,world

3.  Print the all prime numbers in an given interval
4.  Generate the random list and print the even elements of the list.
    USE: random library
5.  Write a program that accepts a sentence and calculate the number of letters and digits.
    Suppose the following input is supplied to the program:
    Data Science! 123
    Then, the output should be:
    LETTERS 11
    DIGITS 3