Introduction to Computing
Practice Assignment # 3

1. Implement a function that meets the specification below. Use a **try-except** block.

    ```
    def sumDigits(s):

            """Assumes s is a string

            Returns the sum of the decimal digits in s

            For example, if s is 'a2b3c' it returns 5"""
    ```

2. With a given integer number n provided by the user, write a program to generate a dictionary that contains `{i: i*i}` as its `key:value` pair such that all the integer numbers between 1 and n are included). At the end, your program should print the dictionary. Suppose the following input is supplied to the program:

    ```
    Enter a Number: 8
    ```

    Then, the output should be:

    ```
    {1: 1, 2: 4, 3: 9, 4: 16, 5: 25, 6: 36, 7: 49, 8: 64}
    ```

3. 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
    ```

4. Visit the following web links and try to understand all the questions about dictionary as it contains solution as well.
    Note: You must try to solve the questions on your own before checking its solution otherwise you won't be able to create your own logic. As a result, you will end up with limited learning and it will not help you when you will be asked similar questions with a slight manipulation.

    https://www.w3resource.com/python-exercises/dictionary/

    http://www.sanfoundry.com/python-mcqs-dictionary-1/