CS101 LAB 4

1) Dictionary tester:
- create a dictionary
- add three key, value pairs
- print (all) the keys and values
- get and print a value based on it's key
- check if a key is in the dictionary (print true/false)
- copy contents from one dictionary to another
- show print contents of both dictionaries
- clear all values of one dictionary
- show (print) empty dictionary

2) Word Frequency counter
- create a a string with multiple words (some duplicated).
- create an empty dictionary
- use your dictionary as follows:
    for each word in the string:
        use the word as a key in your dictionary
            if the key does not exist in your dictionary, add the word as the
            key and 1 as the **value**
            If the key does exist in your dictionary, increment the **value** of the
        count for that **key**

*** Note *** it will be *much* easier to convert your string to a list (via the string .split() method), capture the list in a variable & iterate over the list

Print your final dictionary

Example: For the string: 'i am sam, sam i am. that sam i am, that sam i am, i do not like that sam i am'

Result should look like: {'do': 1, 'am,': 2, 'sam': 4, 'that': 3, 'i': 6, 'am.': 1, 'am': 2, 'sam,': 1, 'not': 1, 'like': 1}

- Don't worry about punctuation - i.e, 'am.' and 'am' are 2 different words above