07- Dictionaries

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1 Dictionaries

A dictionary is like a list, however the indicies can be almost any type. You can think of it as a set of Key:Value, where key is the index and value is the element.

```
In [3]: # create a data structure of dictionary for the purpose of saving
        # english words with their spanish translation
        eng2sp = {} # initializae the dictionary
        # or
        \# eng2sp = dict()
        print(eng2sp) #empty
{}
In [6]: # add an item
        eng2sp['one'] = 'uno' # the value is uno and the index is one
        print(eng2sp)
{'one': 'uno'}
In [8]: eng2sp = {'one':'uno', 'two':'dos', 'three':'tres'}
        print(eng2sp)
{'one': 'uno', 'two': 'dos', 'three': 'tres'}
In [9]: print(eng2sp['two'])
Out [9]: 'dos'
In [10]: # length of dict
         len(eng2sp)
Out[10]: 3
```

1.0.1 Write a funtion freq() that count how many times each letter appear in a given string. Use dictionary data structure.