Mohit Chatterjee

([mohitchatterjee160@gmail.com](mailto:mohitchatterjee160@gmail.com), 7999744064)

Assignment 5

1. What does an empty dictionary's code look like?

Ans: We can create empty dictionary in 2 ways:

**1st: key\_value = {}**

**2nd: key\_value = dict()**

1. What is the value of a dictionary value with the key 'foo' and the value 42?

Ans: **item = {‘foo’ : 42}**

1. What is the most significant distinction between a dictionary and a list?

Ans: The most significant distinction between a dictionary and a list is **List is a ordered sequence of object while Dictionary is a unordered sets.** We can access the element of list by position while we can access the values of dictionary using key.

1. What happens if you try to access spam['foo'] if spam is {'bar': 100}?

Ans: We will get a **KeyError** error.

1. If a dictionary is stored in spam, what is the difference between the expressions 'cat' in spam and 'cat' in spam.keys()?

Ans: There is no difference between the expressions 'cat' in spam and 'cat' in spam.keys()because **in**  operator and **spam.keys()** are searching for key only.

1. If a dictionary is stored in spam, what is the difference between the expressions 'cat' in spam and 'cat' in spam.values()?

Ans: **'cat' in spam** checks whether there is a 'cat' key in the dictionary, while **'cat' in spam.values()** checks whether there is a value 'cat' for one of the keys in spam.

7. What is a shortcut for the following code?

if 'color' not in spam:

spam['color'] = 'black'

Ans: **spam.setdefault('color', 'black')**

1. How do you "pretty print" dictionary values using which module and function?

Ans: **pprint.pprint()**