**Assignmnet-5**

**Name:- Shivam Kumar Shrivastava**

**Email:-sbashrivastava95@gmail.com**

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

Answer:- The empty dictionary’s code look like:

a= {}

two curly braces nothing inside that.

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

Answer:- {‘foo’:42}

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

Answer:- The dictionary is a collection of key and value pair which are unordered whereas list contains ordered items in it.

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

Answer:- You will get the KeyError error.

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

Answer:- It will have no difference on these operations. The operator in both operations checks whether a value exists as a key in the dictionary.

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

Answer:- The **in operator here,** ‘cat’ in spam checks for presence of ‘cat’ key in the dictionary, whereas ‘cat’ in **spam.values()** checks for presence of value ‘cat’ in one of the keys in spam.

7. What is a shortcut for the following code?

if 'color' not in spam:

spam['color'] = 'black'

Answer:- spam.setdefault(‘color’,’black’)

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

Answer:- pprint.pprint()