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

**Answer: dict1 = {}**

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

**Answer: Value will be 42**

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

**Answer: dictionary hold a key value pair whereas list contains the list of elements.**

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

**Answer: code will throw an error that key does not exist.**

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

**Answer: there is no difference as ‘cat’ is a key here, 'cat' in spam will check the ‘cat’ in all the available keys of the dictionary. Similarly, ‘cat’ in spam.keys(). Both the expressions will work similarly.**

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

**Answer: 'cat' in spam will match this will all the available keys only. Whereas, ‘cat’ in spam.values() will match ‘cat’ with all the values available in the dictionary corresponding to the keys.**

7. What is a shortcut for the following code?

if 'color' not in spam:

spam['color'] = 'black'

**Answer: spam.setdefault(‘color’,’black’) 🡪 it returns the value of a key if it already exists in the dictionary and if it does not exist then the key value pair gets inserted into the dictionary**

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

**Answer: import pprint**

**pprint.pprint(dict1)**