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

* {}

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

* {‘foo’:42}

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

* The items in list are ordered and dict are unordered so that we need keys to index the values.

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

* We will get key error as the key ‘foo’ not exists in spam dict.

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

* There is no difference, in both the cases , it will search ‘cat’ in spam keys, if ‘cat’ exists in spam dictionary keys it returns True otherwise False

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

* ‘cat’ in spam checks whether ‘cat’ is exists in keys of spam
* ‘cat’ in spam.values() checks ‘cat’ value is assigned to any key as value or not

7. What is a shortcut for the following code?

if 'color' not in spam:

spam['color'] = 'black'

* Spam.setdefault(‘color’,’black’)

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

* pprint module will be used , pprint function will be used. Pprint.pprint(dict)