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

**Ans:** dict ={}

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

**Ans:**dict={‘foo’:42}

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

**Ans:** dictionary having key value pair, and items values are accessible using keys. List does not have key value pairs and items are accessible using indexes/subscriptions.

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

**Ans:** it will throw key error, since it is trying to access a key which is not present in dictionary.

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

**Ans:** ‘cat’ will display corresponding value of this key, however spam.keys() will display all keys present in dictionary.

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

**Ans:** ‘cat’ will display corresponding value of this key, however spam.values() will display all values present in dictionary.

7. What is a shortcut for the following code?

if 'color' not in spam:

spam['color'] = 'black'

**Ans:** there is no need place a check in if statement, if the key is present in dictionary it’s vaue will be overwrite otherwise this key and value pair get added into dictionary.

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

**Ans:** using pprint module and function.