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

**Ans** : Empty dictionary can be specified like this empty\_dictionary = {} or empt\_dict = dict()

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

**Ans** : { ‘foo’ : 42 }

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

**Ans** : a dictionary stores data in key: value format whereas list contains data in form of single single elements, separated by commas.

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

**Ans** : We get KeyError since there is no key-value pair corresponding to key ‘foo’

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

Ans : both expressions have same meaning, both expressions check whether ‘cat’ is present in dictionary as key or not and accordingly return true or false.

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’ in spam checks whether ‘cat’ is present in dictionary as key element or not whereas ‘cat’ in spam.values() checks whether ‘cat’ is present is dictionary as a value element or not.

7. What is a shortcut for the following code?

if 'color' not in spam:

spam['color'] = 'black'

**Ans** : spam.setdefault(‘color’, ‘black’)

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

**Ans** : We use a module called pprint. Its used to print values of dictionary in clear readable manner.

import pprint

dir(tuple)