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

Dic = { }

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

dic = {'foo':42}

dic.values() = 42

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

Dictionary is an unordered collection of key and value pair but list is ordered collection of items.

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

Dic = {'bar': 100}

Dic[‘foo’] will give key error as no key named ‘foo’ is in the dictionary

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

Spam = {‘cat’ : ’cute’}

Both expressions give the same results as ‘cat in spam’ also search only in keys

**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 = it search cat in the keys of dictionary spam

‘cat in spam.values()’ = search cat in values of dictionary

**7. What is a shortcut for the following code?**

**if 'color' not in spam:**

**spam['color'] = 'black'**

spam[‘color’] = ‘black’

If we reassign any value corresponding to specific key in any dictionary then it will update the value of respect to the key. If that key not present in the dictionary then it will create the new key value pair

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

We use pprint module to pretty print a dictionary

pprint.pprint(dict)