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

**Ans.** thisdict = {}

**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.** Main difference is that items in dictionaries are accessed via keys and not via their position like in list. Also, list is an ordered sequence of objects, whereas dictionaries are unordered sets.

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

**Ans.** KeyError.

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

**Ans.**  No difference.

**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 there is a ‘cat’ key in the dictionaries, while ‘cat’ in spam.values() checks whether there is a value ‘cat’ for one of the keys in spam.

**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.** pprint.pprint()