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

**Ans: { }**

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

**Ans: {‘foo’:42}**

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

**Ans: dictionary is unordered sequence and have keys through which they are accessible, list can ordered and sequenced, and can have indexing and slicing operations**

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

**Ans: Key error the spam dictionary doesn’t have key ‘foo’**

1. **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 both means the same key**

1. **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 dictionary, while 'cat' in spam.values() checks whether there is a value 'cat' for one of the keys in spam.**

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

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

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

**Ans: spam.setdefault('color', 'black')**

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

**Ans: pprint.pprint()**