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

**Ans:** {}

**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:** In dictionary element are accessed by keys while in list by indexes.

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

**Ans:** keyerror. No key named foo is found.

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

**Ans:** Expressions 'cat' in spam checks for a key named ‘cat’ and so does 'cat' in spam.keys() does.

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

**Ans:** Expressions 'cat' in spam checks for a key named ‘cat’ and 'cat' in spam.values()checks for a value named ‘cat’

**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:** Module(pprint) and Function(pprint.pprint())