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

**Ans:** Two curly brackets:{}

**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:**The items stored in a dictionary are unordered,while the items in a list are ordered.

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

**Ans:** you get a keyerror error

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

**Ans:** there is no difference .the in operator checks wheather a values exists as a key in the dictionary.

**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 wheather there is a ‘cat’ key in the dictionary.

While ‘cat’ in spam.values() checks wheather 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()