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

**-** Two curly brackets {}

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

* {‘foo’: 42}

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

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

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

* Will get Key Error error

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

* There is no difference , the operator checks weather a value exist as a key in the dictionary

1. **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 checks wheather there is a’cat’ key in the dictionary. While ‘cat’ in spam.values() check 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'**

* Spam.setdefault(‘color’,’black’)