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

{}

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?**

Dictionary has a key:value pair, whereas list has set of items inside a square bracket.

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

KeyError

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

No difference, the ‘in’ operator checks for the existence of ‘cat’

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 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'**

spam.setdefault(‘color’:’black’) is the shortcut for the above code

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

Import pprint as pp

pp.pprint()