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:** Items that are stored in a list are in an ordered fashion. However, for a dictionary it is unordered.

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

**Ans:** KeyError: '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:** There is no difference. The in operator checks whether a value exists 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()?

**Ans:** The expression ‘cat’ in spam looks for all the ‘cat’ as keys in the dictionary. The expression ‘cat’ in spam.values() looks for one of the keys that has a value as ‘cat’.

7. 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()