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

Dic ={}

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

Dic={‘foo’:42}

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

The list is an Index based ordered array and the dictionary is a collection of items of key-value unordered pair

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

You get a KeyError 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 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()?**

'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')

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

pprint.pprint()