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?

List has items and dictionary has items stored as key value and dictionary items are unordered while list items are ordered

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

We get the keyerror exception as the key we are trying to access it not found

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 between both checks if the value exists as key in spam

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 will check if the ‘cat’ **key** is present in spam where as ‘cat’ in spam.values() checks if there is **value ‘cat’** is present in the keys of spam

7. What is a shortcut for the following code?

if 'color' not in spam:

spam['color'] = 'black'

spam.setdefault(‘color’,’black’)

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

pprint.pprint()