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?

d={'foo': 42}

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

List is ordered and dictionary is unordered

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

It gives a KeyError because foo is not present in spam.

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

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 there is key called ‘cat’ in spam dictionary, whereas ‘cat’ in spam.values() if there is a value called ‘cat’ in spam dictionary.

1. 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?

pprint.pprint()