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

dict = {

}

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

42

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

Dictionary does not allow duplicates but list does.

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

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()?

spam.keys give all the keys present in the dictionary spam and expressions cat give it’s value

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

spam.keys give all the values present in the dictionary spam and expressions cat give it’s value

7. What is a shortcut for the following code?

if 'color' not in spam:

spam['color'] = 'black'

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

Using pprint