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

variable = {}

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

variable = {'foo' : 42}

variable['foo']

#42

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

In dict - data refers hashed table, in list - as array. Initialized across colon and comma, Access by a key and indicies.

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

Name error

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 – ‘cat’ in spam will be search in keys.

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

Expressions 'cat' in spam will be search in keys and 'cat' in spam.values() will be search in values.

1. What is a shortcut for the following code?

if 'color' not in spam:

spam['color'] = 'black'

if 'color' not in spam : spam['color'] = 'black'

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

for i in spam.values():

print(i," ", end="")