1. What does an empty dictionary's code look like?
   1. Variable\_name= {}
2. What is the value of a dictionary value with the key 'foo' and the value 42?
   1. {‘foo’:42}
3. What is the most significant distinction between a dictionary and a list?
   1. Key value pair
4. What happens if you try to access spam['foo'] if spam is {'bar': 100}?
   1. KeyError error

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

a.no difference

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

a. 'cat' in spam checks if 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.

7. What is a shortcut for the following code?

if 'color' not in spam:

spam['color'] = 'black'

a. spam.setdefault('color', 'black')

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

a. pprint.pprint()