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

    {}

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

    {"foo":42}

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

    A list refers to a various index value pairs whereas a dictionary refers to a key value pairs.

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

    KeyError

5. 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 whereas both checks for key 'cat ' in spam.

6. 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 checks for the key as 'cat'

    'cat' in spam.values() checks for the value as 'cat'

7. What is a shortcut for the following code?

if 'color' not in spam:

spam['color'] = 'black'

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

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

    Use pprint() to Pretty Print a Dictionary in Python