1. What does an empty dictionary's code look like? Dict = {}

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?

For accessing to the dictionary elements, we use keys instead of the positional index in list

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

We will get Key Error

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

spam = {'cat': 42}

'cat' in spam, 'cat' in spam.keys() (True, True)

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

spam = {'cat': 42}

'cat' in spam, 'cat' in spam.values() (True, False)

7. What is a shortcut for the following code?

if 'color' not in spam:

spam['color'] = 'black'

**spam['color'] = 'black'** in this way if ‘color’ is not in dictionary it will to the dictionary else only assignment will happen

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

import pprint

pprint.pprint(spam)