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?

* Dictionary store data in key-value pair. List only stores values.

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

* 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()?

* Both statements search for ‘cat’ in the keys of spam dictionary

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 -> searches ‘cat’ in keys of spam dictionary
* ‘cat’ in spam.values() -> searches ‘cat’ in values of spam dictionary

7. What is a shortcut for the following code?

if 'color' not in spam:

spam['color'] = 'black'

* ans -> spam['color'] = 'black' or spam.setdefault('color', 'black')

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

* Using pprint() in the pprint module

from pprint import pprint