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

**Ans:** Two curly braces **{}**

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

**Ans:** {‘foo’: 42}

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

**Ans:** The items stored in the **list are ordered**. So, the items can be accessed via its position.

The items stored in the dictionary are unordered. Elements can be accessed via key name.

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

**Ans:** KeyError error. The key ‘foo’ is not defined.

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

**Ans:** There is no difference. In both cases, it checks whether there is a ‘cat’ key in the dictionary.

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

**Ans:** The ‘cat’ in spam checks whether 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'

**Ans:** spam.setdefault(‘color’, ‘black’)

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

**Ans:** Module: **pprint** Function: **pprint()**

pprint.pprint()