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

**ANS:-**

Two curly brackets: {}

**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 a dictionary are unordered, while the items in a list are ordered.

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

**ANS:-**

You get a 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()?**

**ANS:-**

There is no difference. The in operator checks whether a value exists as a 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:-**

'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:-**

pprint.pprint()