**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:** We shall 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()