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

**Ans: d = {}**

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:** List contains elements in terms of value whereas the dictionary contains elements in key-value pair

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

**Ans:** spam[‘foo’] will give you output as error. As foo is not present in the dictionary

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. 'cat' in spam checks whether there is a 'cat' key in the dictionary, while 'cat' in spam.keys() checks whether there is a value 'cat' for one of the keys in spam.

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 of any keys is ‘cat’

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() is used to pretty print