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

---{}, dict()

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

---{‘foo’: 42}, value is 42

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

---dictionary holds data with key-value pair whereas list holds with index-value pair

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

---KeyError

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

---if cat is there in spam dictionary as key, the output in above both cases is True

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

---in above cases, it searches for key only, hence output in both cases is False

7. What is a shortcut for the following code?

if 'color' not in spam:

spam['color'] = 'black'

---spam[‘color’] = ‘black’

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

---import pprint and then call pprint.pprint(dictionary)