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?

Dict={ 'foo':42}

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

List is ordered sequence of objects where as dictionary is unordered

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

Key error will appear

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

There is no difference, the operator will check whether the expression 'cat’ exists as a key or not

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

the operator will check whether the expression 'cat’ exists as a value or not

7. What is a shortcut for the following code?

if 'color' not in spam:

spam['color'] = 'black'

spam.setdefault('color', 'black')

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

pp = pprint.pprint()