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

{} or dict()

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

42

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

Dictionary is a collection of key value pairs while list is ordered collection of values

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()?

There is no difference. Both will check if ‘cat’ is a key 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()?

First expression will check if ‘cat’ is a key in spam while second expression will check if ‘cat’ is a value in spam

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?

pprint.pprint()