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

{}

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

{'foo': 42}

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

Dictionary have key value pair, list have indexes and their value. Dictionary is unordered and list ordered.

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()?

no difference, both chceks for key

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

first searches among key

second serches among value

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 module

pformat an pprint fn