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?

**42**

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

**the main difference is that items in dictionaries are accessed via keys and not via their position while the elements in a list are accessed by their positions**

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

**KeyError: 'foo'**

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**

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

**'cat' in spam is in fact equal to 'cat' in spam.keys() which makes it different from 'cat' in spam.values()**

7. What is a shortcut for the following code?

if 'color' not in spam:

spam['color'] = 'black'

**spam['color'] = 'black' is enough as it will add this key,pairs if it does not exist yet but will not add anything if it already exists.**

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

**Module pprint and pprint() function (i.e. pprint.pprint())**