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

empty dictionary - {}

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?

Key value paired stored in dictionary , also list are ordered list , while in a dictionary it can be unordered.

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

Error will be shown.

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

cat in spam.keys() will check for any keys as ‘cat’ and if found will result in the values of the key cat

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.values() will check for any values as ‘cat’ and if found will result in the values of the key cat

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() can be used to “pretty print” dictionary values.