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

Two curly brackets: {}

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

{‘foo’: 42}

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

Items sorted in a dictionary are unordered whereas in list it is ordered

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

Error :

**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 , in operator chks whether value exist as a key in the dictionary.

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 checks whether there is a a ‘cat’ key in the dictionary and 'cat' in spam.values()

Checks there is a value ‘cat’ for one of the keys in spam.

7. What is a shortcut for the following code?

if 'color' not in spam:

spam['color'] = 'black'

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

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

import pprint

pprint.pprint(“Pretty Print”)

my\_print = pprint.PrettyPrinter()

my\_print.pprint(“Pretty Print”)