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

Ans: A = {}

here is A is a empty dictionary

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

Ans:

A ={'foo':42}

A.values()

o/p = dict\_values([42])

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

Lists are like arrays and items in the list are ordered.

Dictionary is unordered and mutable python container that stores mappings of unique key to values.

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

Ans:

keyerror: 'foo'

as we dont have 'foo' in spam dicitionary

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

Ans:

No difference for expression 'cat' in spam and 'cat' in spam.keys()

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

Ans:

'cat' in spam dicitionary checks whether there is a key in the dicitionary

where as cat in spam.values() checks cat value in the spam

7. What is a shortcut for the following code?

if 'color' not in spam:

spam['color'] = 'black'

Sol:

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

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

pprint()