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

Dict={}

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

Dict={‘foo’:42}

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

Dictionary stores data in key and value pairs where list stored data in list format.

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

It will throw an error

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

Spam= {‘cat’:’test’}

Spam.keys() will return dictionary in which cat will available

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

Spam.values() will return dictionary with cat values

7. What is a shortcut for the following code?

if 'color' not in spam:

spam['color'] = 'black'

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

import pprint

pprint.pprint(spam)