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

Ans: {}

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

Ans: {‘foo’:42}

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

Ans: Dictionary values are immutable and list values mutable. dictionary items are accessed by their keys not their position but list’s items are accessed by their position.

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

Ans: KeyError will occur

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

Ans: ‘cat’ in spam checks whether ‘cat’ as element exists in spam dictionary and ‘cat’ in spam.keys() checks whether ‘cat’ as keys exists in spam dictionary.

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 checks whether ‘cat’ as element exists in spam dictionary and ‘cat’ in spam.values() checks whether ‘cat’ as value exists in spam dictionary.

7. What is a shortcut for the following code?

if 'color' not in spam:

spam['color'] = 'black'

Ans: spam.setdefault(‘color’,’black’)

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

Ans:module pprint and function pprint() used to pretty print the dictionary or object.

pprint.pprint()