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 : A dictionary contains key – value pairs while a list can only hold values.

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

Ans : Its a KeyError

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

Ans : There is no difference .’cat’ in spam and ‘cat’ in spam.keys() both search for the key with name ‘cat’.

'cat' in spam

output : True

'cat' in spam.keys()

output : True

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

Ans : There is difference .’cat’ in spam and ‘cat’ in spam.keys() both search for the values for any key that has the value as ‘cat’.

'cat' in spam

output : True

'cat' in spam.values()

output : False

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 : pprint.pprint()

Module name is pprint

function name is pprint