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

Ans :- dic = {}

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

Ans :- dic = { ‘foo’ : 42 }

dic.values ()

output : 42

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

Ans :- The main difference between dictionary and list is that items in dictionary are access by keys whereas items in list access by their respective index.

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

Ans :- you will get key error

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 , both expression check whether ‘cat’ exist as a key in 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 check ‘cat’ exist as a key in spam dictionary

Whereas ‘cat’ in spam.values () check ‘cat’ exist in values or not.

7. What is a shortcut for the following code?

if 'color' not in spam:

spam['color'] = 'black'

Ans :- spam['color'] = 'black'

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

Ans :- Within the pprint module there is a function with the same name pprint()