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 sores data in key value pairs where as a list doesn’t. In order to fetch data from dictionary you need to pass key of the value you want to fetch where as in list you need to pass the index of the item.

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

Ans: will get an error message as ‘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. Both the statement will look for ‘cat’ in 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 represents the key in the dictionary. Where as ‘cat’ in spam.values() represents the key against which any value is stored in the 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: pprint.pprint( )