**Assignment 5 Solution**

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

Answer :-

d1 = {}

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

Answer :-

d1 = {‘foo’ : 42}

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

Answer :-

A list is ordered sequence of object while dictionary is unordered sequence of object.

The main difference between list and dictionary is the element accessed from list via index,

And the element accessed form dictionary via key value pair.

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

Answer :-

spam = {'bar':100}

spam['foo'] => It return keyerror.

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

Answer :-

There is no difference in operator check whether a value exists as a key in dictionary.

‘cat’ in spam check whether there is a ‘cat’ key in dictionary.

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

Answer :-

There is no difference in operator check whether a value exists as a key in dictionary.

‘cat’ in spam .value() check whether there is value ‘cat’ for one of the key in spam.

Q.7 => What is a shortcut for the following code?

if 'color' not in spam:

spam['color'] = 'black'

Answer :-

Spam.setdefault(‘color’,’black’)

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

Answer :-

pprint.pprint()