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

ANSWER:A empty dictionary looks like spam4={}

1. What is the value of a dictionary value with the key ‘foo’ and the value 42?

ANSWER:dictexp={‘foo’:42} .The value is 42.

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

ANSWER: The values of dictionary are accessed by keys whereas in dictionary the values are accessed by index/position.

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

ANSWER:Its throws error Keyerror as below

KeyError Traceback (most recent call last)

<ipython-input-28-0924aad9cc37> in <module>

1 spam3={'foo':42}

----> 2 spam3['bar']

KeyError: 'bar'

5. If a dictionary is stored in spam, what is the difference between the expressions ‘cat’ in spam and

‘cat’ in spam.keys()?

ANSWER: ‘cat’ in spam will return TRUE as we have a string value ‘cat’ in spam whereas cat in spam.keys() throws error AttributeError: 'list' object has no attribute 'keys'

6. If a dictionary is stored in spam, what is the difference between the expressions ‘cat’ in spam and

‘cat’ in spam.values()?

ANSWER:The expression ‘cat’ in spam return TRUE where as ‘cat’ in spam.values() will return attribute error:list object has no attributes ‘values’

7. What is a shortcut for the following code?

if ‘color’ not in spam:

spam[‘color’] = ‘black’

ANSWER

spam={}

spam['color']=spam.get('color','black')

spam

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

ANSWER:

We have import pprint module and use pprint()