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

**Answer:**

{ } or dict()

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

**Answer:**

{ ‘foo’ : 42 }

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

**Answer:**

* List – Items in list are ordered
* Dictionary – Items in dictionary are unordered

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

**Answer:**

It will throw error **KeyError : “foo”**

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

‘cat’ in spam.keys()

There is no difference, both checks if ‘cat’ is key of the dictionary and if it is a key returns True.

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

**Answer:**

* ‘cat’ in spam 🡪 It checks whether a ‘cat’ is present in the dictionary keys and if it is present, returns true.
* ‘cat’ in spam.values() 🡪 It checks whether the value ‘cat’ is present in the dictionary values and if it is present, returns true.

7. What is a shortcut for the following code?

if 'color' not in spam:

spam['color'] = 'black'

**Answer:**

spam.setdefault(‘color’,’black’)

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

**Answer:**

pprint.pprint()