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

{}

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

{‘foo’:42}

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

* Dictionary requires {} for it’s declaration while list requires [] for its declaration.
* Dictionary is collection of unordered values while list is collection of ordered values.

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

We will get KeyError.

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

'cat' in spam checks whether there is a 'cat' key in the dictionary,

while 'cat' in spam.values() checks whether there is a value 'cat' for any of the keys in spam.

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

'cat' in spam checks whether there is a 'cat' key in the dictionary, while 'cat' in spam.values() checks whether there is a value 'cat' for any of the keys in spam.

**7. What is a shortcut for the following code?**

if 'color' not in spam:

“color” not in spam.keys()

Spam.setdefault(‘color’,’black’)

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

Module name: pprint

Function name: pprint.pprint()

Import pprint:

pprint.pprint(keyvalues)

or we can also use

print(pprint.pformat(keyvalue))