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

**Answer:**

{} or dict()

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

**Answer:**

{'foo':42}

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

**Answer:**

* List are ordered sequence of objects but dictionaries are unordered sets (key and value pair)
* In list, the values are accessed via their index position
* In dictionary, the values are accessed via their keys

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

**Answer:**

It will throw **key error**

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

**Answer:**

‘cat ‘ represent keys

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

**Answer:**

‘cat ‘ represent values

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()
* json.dumps()
* yaml.dump()