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

**Answer : d={}**

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

**Answer : 42**

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

**Answer : elements in dictionary are accessed using key where as list uses index to access the elements inside the list. new element can be added in dictionary by giving new key value pair. In case of list, append,extend or + can be used to add elements.**

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

**Answer : will get an 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’ is simple string and ‘cat’ in spam.values() will hold value again key ‘cat’**

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7. What is a shortcut for the following code?

if 'color' not in spam:

spam['color'] = 'black'

**Answer : d[‘k]=d.get(‘k’,2)**

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

**Answer : d.values()**