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

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| --- |
| dict1={} |

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

|  |
| --- |
| dict1={'foo':42} |

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

Dictionary is an unordered set of key value pairs. Items are accessed by specifying keys.

List is ordered and items are accessed by specifying the corresponding index.

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

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()?**

Both checks whether ‘cat’ is present as a key in the dictionary. Hence they oth return the same.

**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 key named ‘cat’ in the dictionary spam.

***‘cat’ in spam.values()*** checks whether there is a value named ‘cat’ in the dictionary spam.

Hence, they both are different.

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

**if 'color' not in spam:**

**spam['color'] = 'black'**

spam.setdefault(‘color’, ‘black’)

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

The [pprint](https://docs.python.org/3/library/pprint.html" \l "module-pprint" \o "pprint: Data pretty printer.) module provides a capability to “pretty-print” arbitrary Python data structures in a form which can be used as input to the interpreter.

Usage: pprint.pprint(dictionary\_name)