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

**Answer:**

{ }

**2. What is the value of a dictionary code 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** | **Dictionary** |
| *Ordered* | *Unordered* |
| *[ ] : Square Braces* | *{}: Curly Braces* |
| index | Key(is index) and value pair |

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

**Answer**:

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 | This will check for key cat in all the dictionary **keys** |
| ‘cat’ in spam.key() | This will check for string cat in all the dictionary **keys** |

So I guess there is no such difference except the expression statement.

**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 | This will check for key cat in all the dictionary **keys** |
| ‘cat’ in spam.values() | This will check for string cat in all the dictionary **values** |

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

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

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

**Answer:**

**spam.setdefault(‘colour’,’black’)**

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

* So we need to **import pprint module**
* And **pprint.pprint()** is the function