**Basic Python Assignment - 5**

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

- {} empty dictionary

**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?**

**-** The curly braces and the square braces. The dictionary contains values in an unordered way and list has it in an ordered way.

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

**-** KeyError. As there is no key as ‘foo’

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

**-** There is no difference.

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

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

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

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

**-** Setdefault() can be used here. spam.setdefault(‘color’, ‘black’).

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

**-** By importing pprint and using function pprint.pprint() will help us use pretty print.

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