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

Suppose a is empty dict. Then code: a=dict()

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

42

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

List is chain of values while dictionary is key and value pair

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

It will give error

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

It will give error as spam.keys() accepts no arguments

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

It will give error as spam.keys() accepts no arguments

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

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

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

only write following:

spam['color'] = 'black'

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

By importing **pprint** module and then using **PrettyPrinter** function