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

**ANS: {}**

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

**ANS: {‘foo’:42}**

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

**ANS:**  **A list is an ordered sequence of objects, whereas dictionaries are unordered sets. However, the main difference is that items in dictionaries are accessed via keys and not via their position**

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

**ANS: 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()?

**ANS: If spam = {‘cat’:100}, then cat means key, whereas cat in spam.keys() will refer to the key only and not the value**

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

**ANS: spam.values() will give the value 100**

7. What is a shortcut for the following code?

if 'color' not in spam:

spam['color'] = 'black'

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

**ANS: we can use pprint() to print dictionary.**

**Pprint(dict\_name)**

**Also we can use json module-> json.dumps()**

**Json.dumps(dictionaryname, indent = any number)**

**We can also use pyyaml module -> pip install pyyaml, import yaml,**

**Yaml.dump(dictionaryname, indent = anynumber)**