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

**->my\_dict = {}**

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

**->my\_dict = {'foo' : 42}**

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

**->dictionary is a collection type which stores key-value pairs, list is a collection which stores different types of data sequentially.**

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

**->returns key error.**

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

**->At first in operator checks for 'cat' key in dictionary keys, while in second case in operator cheks 'cat' in list spam.keys().**

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

->**->At first in operator checks for 'cat' key in dictionary keys, while in second case in operator cheks 'cat' in list spam.values().**

7. What is a shortcut for the following code?

if 'color' not in spam:

spam['color'] = 'black'

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

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

**->pprint.pprint()**