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

**Ans: dct= {}**

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

**Ans: dictionary will look like: {‘foo’:42}. Value is 42 and ‘foo’ is the key.**

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. ... The values of a dictionary can be any type of Python data. So, dictionaries are unordered key-value-pairs.**

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

**Ans: It throws an KeyError since there is no key with name ‘foo’ in the dictionary named spam.**

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

**Ans: Both are same.**

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

**Ans: ‘cat’ in spam looks in the dictionary spam if there is any key with name ‘cat’. While ‘cat’ in spam.values() looks for the value ‘cat’ in the dictionary spam.**

7. What is a shortcut for the following code?

if 'color' not in spam:

spam['color'] = 'black'

**Ans: spam['color'] = 'black' or spam.setdefault('color','black').**

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

**Ans: Within the pprint module there is a function with the same name pprint() , which is the function used to pretty-print the given string or object.**