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

Answer: An empty pair of curly braces {} is an empty dictionary, just like an empty pair of [] is an empty list.

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

Answer: d{foo:’42’}

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

Answer: List is ordered and mutable, whereas dictionaries are unordered and mutable.

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

Answer : Error

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

Answer: cat will show the key value un dictionary , cat.key will values of key from dictonery.

6. What is a shortcut for the following code?

if 'color' not in spam:

spam['color'] = 'black'

Answer: A shorter way of writing this code is using the setdefault() method of dictionaries. This method sets the value of a key in the dictionary if it is not already present, and returns the value. Here's how the above code can be written using setdefault() method

spam.setdefault('color', 'black')

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

Answer: The module used is the pprint module within which we have the pprint function of the same name.