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

- let the name of the dictionary be abc, then in order to create an empty dictionary we have to define it as abc={}.

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

- {‘foo’:42}

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

- The most significant difference between a dictionary and a list is in the order in which the items are stored. In dictionary, items are stored in an unordered fashion whereas in lists, the items are stored in an ordered fashion.

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

- we get an error

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

-There is no difference as ‘cat’ in spam would by default check for matching keys whereas spam.keys() would also define the same operation.

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

- In case of cat in spam, it checks for the presence of the key cat in the given dictionary whereas in case of cat in spam.values(), it would check whether any of the keys have value as cat.

7. What is a shortcut for the following code?

if 'color' not in spam:

spam['color'] = 'black'

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

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

- pprint.pprint()