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

Answer-1.

Dict = {}

print(Dict)

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

Answer-2. Value=42

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

Answer-3. List only contains value whereas dictionary contains both key and values.

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

Answer-4. It gives key error ‘foo’.

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

Answer-5. The difference is – cat in spam will give both key and value as output but cat in spam.keys() will give output based on keys as it is a key specific method.

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

Answer-6 The difference is – cat in spam will give both key and value as output but cat in spam.values() will give output based on values as it is a value specific method.

7. What is a shortcut for the following code?

if 'color' not in spam:

spam['color'] = 'black'

Answer-7. We can also add key-value by-

spam['color'] = 'black'

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

Answer-8. We can pretty print dictionary values using pprint, json, and built in format function.