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

Answer: An empty dictionary looks like {}.

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

Answer: It’s value will be 42.

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

Answer: The most significant distinction between a list and a dictionary is that a list element can be accessed via an index number whereas a dictionary value can be accessed via a key .

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

Answer: We will get KeyError here.

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

Answer: Here we can consider that there can be any value for a key named cat.

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

Answer: Here we can consider that there can be a value named cat for a key that can have any name in key value pair .

7. What is a shortcut for the following code?

if 'color' not in spam:

spam['color'] = 'black'

Answer: spam = dict(zip(‘color’),(‘black’)) where first argument for zip is color for key side and 2nd argument is black which is used for values side.

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

Answer: For pretty print we use pprint() function from pprint module.