

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

Solution – { }

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

Solution - 42

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

Solution - 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}?

Solution – KeyError as the key value pair doesn't exist.

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

Solution - There is no difference. The in operator checks whether a value exists as a key in the dictionary

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

Solution - cat' in spam checks whether there is a 'cat' key in the dictionary, while 'cat' in spam.values() checks whether there is a value 'cat' for one of the keys in spam.

7. What is a shortcut for the following code?

if 'color' not in spam: -----→ spam.update({'color': 'black'})

spam['color'] = 'black'

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

Solution - The module used is the pprint module within which we have the pprint function of the same name. The function can be implemented to pretty-print the specific string or object.