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

The code for the empty dictionary look like – {}

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

{'foo': 42}

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

The items stored in the dictionary are not ordered whereas the items stored in the list are in an order.

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

We will get a Key Error error.

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

There will be no difference. The operator checks whether a value exists as a key in the dictionary.

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

‘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.

1. 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?

The module and the function used are pprint.pprint() .