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

emptydict = {}

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 list is an ordered collection of data, whereas the dictionaries store the data in the form of key-value pairs using the hashtable structure.

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

You will get a KeyError 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. 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()?

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['color'] = 'black'

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

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

The module is pprint and the function is pprint.pprint()