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

Ans:

{}

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

Ans:

{'foo': 42}

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

Ans:

The elements in a list are ordered, and the elements in a dictionary aren't. Elements in a list must be accessed using numerical indices. Elements in a dictionary are indexed using keys, which can have different data types.

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

Ans:

We will get a KeyError error.

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

Ans:

There is no difference.

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

Ans:

There is no difference.

1. What is a shortcut for the following code?

if 'color' not in spam:

spam['color'] = 'black'

Ans:

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

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

Ans:

pprint.pprint()