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

Dict{}

1. What is the value of a dictionary value with the key 'foo' and the value 42?
2. What is the most significant distinction between a dictionary and a list?

A list is an ordered sequence of objects, whereas dictionaries are unordered sets.

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

There is no difference ,the in 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.keys()?

There is no difference, whether there is a 'cat' key in the dictionary, while 'cat' in spam.

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

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'

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

Within the pprint module there is a function with the same name pprint() , which is the function used to pretty-print the given string or object. First, declare an array of dictionaries. Afterward, pretty print it using the function pprint.