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

An empty pair of curly braces {} is an empty dictionary

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

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 hash table structure

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

KeyError: 'foo'

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

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

There is no difference

7. What is a shortcut for the following code?

if 'color' not in spam:

spam['color'] = 'black'

spam['color'] = 'black' if 'color' not in spam

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

The module used is the pprint module within which we have the pprint function of the same name