1. What does an empty dictionary&#39;s code look like?

A: d= {}

1. What is the value of a dictionary value with the key &#39;foo&#39; and the value 42?

A: a={'foo': 42}

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

A:

* In list the value is accessed using indices

In dictionary the data is accessed using key value pair.

* List is always ordered

Dictionary is unordered

1. What happens if you try to access spam[&#39;foo&#39;] if spam is {&#39;bar&#39;: 100}?

A: spam={'bar': 100}

spam['foo']

Keyerror

5. If a dictionary is stored in spam, what is the difference between the expressions &#39;cat&#39; in spam and

&#39;cat&#39; in spam.keys()?

A: 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 &#39;cat&#39; in spam and

&#39;cat&#39; in spam.values()?

A: '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 &#39;color&#39; not in spam:

spam[&#39;color&#39;] = &#39;black&#39;

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

Out[44]: 'black'

8. How do you &quot;pretty print&quot; dictionary values using which module and function?

A:pprint.pprint()