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

ANS # An empty pair of curly braces {} is an empty dictionary, just like an empty pair of [] is an empty list.

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

ANS in python What does a dictionary value with a key 'foo' and a value 4 2 ﻿look like? Here's the best way to solve it. The correct answer is: {'foo': 42}

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

ANS A list is an ordered collection of items, whereas a dictionary is an unordered data collection in a key: value pair. Elements from the list can be accessed using the index, while the elements of the dictionary can be accessed using keys.

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

ANS If you try to access spam['foo'] and spam is {'bar': 100} , you will get a KeyError because the dictionary spam does not contain the key 'foo' .

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()?

ANS There is no difference. The in operator checks whether a value exists as a key in the dictionary. '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 .

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()?

ANS There is no difference. The in operator checks whether a value exists as a key in the dictionary. '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;

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

ANS Using pprint()  
  
We use the pprint() function to pretty-print any given string or object. The pprint() output is much more human-readable as it breaks each element of the nested dictionary in the array format. It also sorts the dictionary's values with respect to the dictionary's key.

FINISH\*\*\*\*