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

Ans:- To create an empty dictionary, the dictionary should be set to {}.

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:- A list refers to a collection of various index value pairs like that in the case of an array in C++. A dictionary refers to a hashed structure of various pairs of keys and values. We can create a list by placing all the available elements into a [ ] and separating them using “,” commas.

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

Ans:\_ You 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()?

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.values()?

Ans:- '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 'color' not in spam:

spam['color'] = 'black'

Ans:- spam.setdefault('color' , 'black')

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

Ans:-Use pprint() to Pretty Print a Dictionary in Python

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.