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

Ans:

A picture containing application

Description automatically generated

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

**Ans:** 42

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

**Ans:** dictionary comprises of key and value pair. Whereas, list contains only a sequence of multiple items without any key and value association.

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

**Ans:** you get an error because ‘foo’ key doesn’t exist in the dictionary called spam so it won’t pull out the value of the key.

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

**Ans:**  There is no difference

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 if there is a cat key in the dictionary. On the other side, 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['color'] = 'black'

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

**Ans:** modules and functions for pretty print is pprint.

Pprint allows you to print long dictionaries in a nice