

## Assignment - 5

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

:- {}

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?

:- Dictionary has elements in the form of keys and values while list has normal elements which is comma(,) separated.

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

:- Getting key error

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

:- 'cat' in spam is the key of the dictionary, while 'cat' in spam.keys() representing the element of the list created by the keys of the spam dictionary.

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

:- 'cat' in spam is the value of the dictionary, while 'cat' in spam.value() representing the element of the list created by the values of the spam dictionary.

7. What is a shortcut for the following code?

if color not in spam:

spam['colo'r] = black

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