1]

Empty dictionary {}

2]

d = {'foo':42}

print(d.values()) O/P : dict\_values([42])

for i in d:

    print(d[i]) O/P : 42

3]

List contains datatypes like integers, strings and it is mutable.

Dictionary contains key-value pair called items. Each key-value pair in a dictionary is separated by a colon :, whereas each items is separated by a ‘comma’.

4]

spam = {'bar':100}

print(spam['foo']) KEY ERROR

5]

There is no difference. The 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.

6]

'cat' in spam.values() checks whether there is a value 'cat' for one of the keys in spam.

7]

spam = {'name': 'john', 'age': 37}

#if 'color' not in spam:

print(spam['name'])

O/P – Key error

8]

import pprint

d = {"company":"ineuron" ,"year" : 2021,"course": "full stack data science","batch" : 'june'}

s = pprint.pprint(d)

print(s)

O/P: {'batch': 'june', 'company': 'ineuron', 'course': 'full stack data science','year': 2021}

Prints the key and respective values in ascending order