

Python dictionary is an unordered collection of items. While other compound data types have only value as an element, a dictionary has key/value pairs. Dictionaries are optimized to retrieve values when the key is known.

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In [5]: dict = {'rahul':28, 'geetha':25, 'shalini':26}
print(dict)

{'rahul': 28, 'geetha': 25, 'shalini': 26}

In [1]: def list(items):
        num = 0
        for x in items:
            num += x
        return num
print(list([1,2,-8]))

-5

In [6]: n = 4
l = {}
for i in range(n):
    print(l)

{}
{}
{}
{}

In [2]: num = {'apple', 'mango', 'orange', 'pineapple'}
print(list(num)[0])

apple

In [6]: d = {'Red': 1, 'Green': 2, 'Blue': 3}
for color_key, value in d.items():
    print(d)

{'Red': 1, 'Green': 2, 'Blue': 3}
{'Red': 1, 'Green': 2, 'Blue': 3}
{'Red': 1, 'Green': 2, 'Blue': 3}

In [9]: lst = {'pys':74, 'chem':82, 'maths':89}
print(sum(lst.values()))

245

In [14]: dic1={1:10,2:20}
dic2={3:30,4:40}
dic3={5:50,6:60}
dic4={}
for d in dic1,dic2,dic3:
    dic4.update(d)
print(dic4)

{1: 10, 2: 20, 3: 30, 4: 40, 5: 50, 6: 60}

In [17]: tuple = (1,2,3,)
print(tuple)

(1, 2, 3)

In [18]: tuple = ("hi",3,3.14)
print(tuple)

('hi', 3, 3.14)

In [19]: tup = ('g','i','t','a','m')
str = ''.join(tup)
print(str)

gitam

In [23]: tuple = ("gitam")
print(tuple[2:])
print(tuple[0:2:4])

tam
g

In [25]: tuple = (1,2.3,4)
print(len(tuple))

3

In [26]: tuplex = ((2, "w"),(3, "r"))
print(dict(tuplex))

{2: 'w', 3: 'r'}

In [1]: x = ("gitam")
y = reversed(x)
print(tuple(y))

('m', 'a', 't', 'i', 'g')

In [2]: l = [("x", 1), ("x", 2), ("x", 3), ("y", 1), ("y", 2), ("z", 1)]
d = {}
for a, b in l:
    d.setdefault(a, []).append(b)
print (d)

{'x': [1, 2, 3], 'y': [1, 2], 'z': [1]}

In [3]: lst1 = (3,4,6,7)
lst2 = tuple(lst1)
print(lst2)

(3, 4, 6, 7)

In [ ]:
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