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In [1]: >>> purse = dict()
>>> purse['money'] = 12
>>> purse['candy'] = 3
>>> purse['tissues'] = 75
>>> print(purse)

{'money': 12, 'candy': 3, 'tissues': 75}

In [2]: >>> print(purse['candy'])

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In [3]: >>> purse['candy'] = purse['candy'] + 2
>>> print(purse)

{'money': 12, 'candy': 5, 'tissues': 75}

In [4]: >>> lst = list()
>>> lst.append(21)
>>> lst.append(183)
>>> print(lst)

[21, 183]

In [5]: >>> lst[0] = 23
>>> print(lst)

[23, 183]

In [6]: >>> ddd = dict()
>>> ddd['age'] = 21
>>> ddd['course'] = 182
>>> print(ddd)

{'age': 21, 'course': 182}

In [7]: >>> ddd['age'] = 23
>>> print(ddd)

{'age': 23, 'course': 182}

In [8]: >>> lst= list()
>>> lst.append(21)
>>> lst.append(183)
>>> print(lst)

[21, 183]

In [9]: >>> lst[0] = 23
>>> print(lst)

[23, 183]

In [10]: >>> lst= list()
>>> lst.append(21)
>>> lst.append(183)
>>> print(lst)

[21, 183]

In [11]: >>> lst[0] = 23
>>> print(lst)

[23, 183]

In [12]: >>> ddd = dict()
>>> ddd['age'] = 21
>>> ddd['course'] = 182
>>> print(ddd)

{'age': 21, 'course': 182}

In [13]: >>> ddd['age'] = 23
>>> print(ddd)

{'age': 23, 'course': 182}

In [14]: >>> jjj = { 'chuck' : 1 , 'fred' : 42, 'jan': 100}
>>> print(jjj)

{'chuck': 1, 'fred': 42, 'jan': 100}

In [15]: >>> ooo = { }
>>> print(ooo)

{}

In [16]: >>> ccc = dict()
>>> ccc['csev'] = 1
>>> ccc['cwen'] = 1
>>> print(ccc)

{'csev': 1, 'cwen': 1}

In [17]: >>> ccc['cwen'] = ccc['cwen'] + 1
>>> print(ccc)

{'csev': 1, 'cwen': 2}

In [18]: >>> 'csev' in ccc

Out[18]: True

In [19]: counts = dict()
names = ['csev', 'cwen', 'csev', 'zqian', 'cwen']
for name in names :
    if name not in counts:
        counts[name] = 1
    else :
        counts[name] = counts[name] + 1
print(counts)

{'csev': 2, 'cwen': 2, 'zqian': 1}

In [20]: if name in counts:
x=counts[name]
else:
    x=0
x=counts.get(name,0)

In [22]: counts = dict()
names = ['csev', 'cwen', 'csev', 'zqian', 'cwen']
for name in names :
    counts[name] = counts.get(name, 0) + 1
print(counts)

{'csev': 2, 'cwen': 2, 'zqian': 1}

In [23]: counts = dict()
names = ['csev', 'cwen', 'csev', 'zqian', 'cwen']
for name in names :
    counts[name] = counts.get(name, 0) + 1
print(counts)

{'csev': 2, 'cwen': 2, 'zqian': 1}

In [24]: counts = dict()
print('Enter a line of text:')
line = input('')
words = line.split()
print('Words:', words)
print('Counting...')
for word in words:
    counts[word] = counts.get(word,0) + 1
print('Counts', counts)

Enter a line of text:
the clown ran after the car and the car ran into the tent and the tent fell down on the clown and the car
Words: ['the', 'clown', 'ran', 'after', 'the', 'car', 'and', 'the', 'car', 'ran', 'into', 'the', 'tent', 'and', 'the', 'tent', 'fell', 'down', 'on', 'th
e', 'clown', 'and', 'the', 'car']
Counting...
Counts {'the': 7, 'clown': 2, 'ran': 2, 'after': 1, 'car': 3, 'and': 3, 'into': 1, 'tent': 2, 'fell': 1, 'down': 1, 'on': 1}

In [25]: >>> counts = { 'chuck' : 1 , 'fred' : 42, 'jan': 100}
>>> for key in counts:
    print(key, counts[key])

chuck 1
fred 42
jan 100

In [26]: >>> jjj = { 'chuck' : 1 , 'fred' : 42, 'jan': 100}
>>> print(list(jjj))

['chuck', 'fred', 'jan']

In [27]: >>> print(jjj.keys())

dict_keys(['chuck', 'fred', 'jan'])

In [28]: >>> print(jjj.values())

dict_values([1, 42, 100])

In [29]: >>> print(jjj.items())

dict_items([('chuck', 1), ('fred', 42), ('jan', 100)])

In [30]: jjj = { 'chuck' : 1 , 'fred' : 42, 'jan': 100}
for aaa,bbb in jjj.items() :
    print(aaa, bbb)

chuck 1
fred 42
jan 100

In [ ]: 
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