In [2]: d2.pop("Division B") {'Division A': 60, 'Division C': 80} In [3]: d2.popitem() ('Division C', 80) In [4]: {'Division A': 60} In [5]: d3={"DivA" :80, "DivB" :30} {'DivA': 80, 'DivB': 30} In [7]: {'Division A': 60} In [8]: {'DivA': 80, 'DivB': 30} In [11]: d2.update(d3) {'Division A': 60, 'DivA': 80, 'DivB': 30} In [12]: len(d2) Out[12]: 3 d2["stdD"]=90 d2["class4th"]=67In [15]: {'Division A': 60, 'DivA': 80, 'DivB': 30, 'stdD': 90, 'class4th': 67} Out[15]: In [16]: max(d2)'stdD' Out[16]: In [17]: max(d2, key=d2.get) 'stdD' Out[17]: In [19]: d2["DivB"]=140 {'Division A': 60, 'DivA': 80, 'DivB': 140, 'stdD': 90, 'class4th': 67} Out[19]: In [22]: def getMaxValue(d): return k[1] In [23]: max(d2,key=lambda k: k[1]) 'stdD' Out[23]: In [24]: {'Division A': 60, 'DivA': 80, 'DivB': 140, 'stdD': 90, 'class4th': 67} Out[24]: In [26]: d4=d2 {'Division A': 60, 'DivA': 80, 'DivB': 140, 'stdD': 90, 'class4th': 67} Out[26]: In [27]: d2.pop("DivB") 140 Out[27]: In [28]: {'Division A': 60, 'DivA': 80, 'stdD': 90, 'class4th': 67} Out[28]: In [29]: {'Division A': 60, 'DivA': 80, 'stdD': 90, 'class4th': 67} Out[29]: In [31]: dcpy=d2.copy() {'Division A': 60, 'DivA': 80, 'stdD': 90, 'class4th': 67} Out[31]: In [32]: print(id(d2)) print(id(d4)) print(id(dcpy)) 1357165526144 1357165526144 1357166533568 In [33]: cities=["Pune", "Pune", "Mumbai", "Nashik"] empty={} for key in cities: if key in empty: empty[key]+=1 empty[key]=1 print(empty) {'Pune': 2, 'Mumbai': 1, 'Nashik': 1} In [34]: # logic 2 empty={} for key in cities: if key not in empty: empty[key]=cities.count(key) print(empty) {'Pune': 2, 'Mumbai': 1, 'Nashik': 1} In [38]: $\verb|sorted| keys=sorted(empty, key=empty.get, reverse=True)|$ print(sortedkeys) ['Pune', 'Mumbai', 'Nashik'] In [36]: empty {'Pune': 2, 'Mumbai': 1, 'Nashik': 1} Out[36]: In [37]: sorted(empty.items(),reverse=True) [('Pune', 2), ('Nashik', 1), ('Mumbai', 1)] d1={'A':45, 'B':78, 'C':45} d2={'N':30, 'M':80, 'V':20} d3={'A':10,'M':80,'V':20} {'A': 45, 'B': 78, 'C': 45} In [2]: sum=0 for v in d1.values(): sum+=v print(sum) 168 d4={'first':d1, 'second':d2, 'third':d3} {'first': {'A': 45, 'B': 78, 'C': 45}, 'second': {'N': 45, 'M': 78, 'V': 45}, 'third': {'A': 45, 'M': 78, 'V': 45}} In [4]: d4:{'first':d1,'second':d2,'third':d3} print(d4.keys()) print(d4.values()) dict_keys(['first', 'second', 'third']) dict_values([{'A': 45, 'B': 78, 'C': 45}, {'N': 45, 'M': 78, 'V': 45}, {'A': 45, 'M': 78, 'V': 45}]) In [10]: maind={'d1':{'A':30, 'B':60, 'W':56}, 'd2':{'C':89,'D':70,'F':87}, 'd3':{'G':67, 'H':80, 'D':65} maind {'d1': {'A': 30, 'B': 60, 'W': 56}, 'd2': {'C': 89, 'D': 70, 'F': 87}, 'd3': {'G': 67, 'H': 80, 'D': 65}} In [14]: for k, vdic in maind.items(): print(k,' has value') for k1, v1 in vdic.items(): print(k1, '=', vdic[k1]) print('__ d1 has value A = 30B = 60W = 56d2 has value C = 89D = 70F = 87d3 has value G = 67H = 80D = 65In [16]: for k, v in d4: print('From',k,) print('values:',d4[k]) print('values: ',v) print('____ ValueError Traceback (most recent call last) ~\AppData\Local\Temp/ipykernel_1456/3784444542.py in <module> ----> 1 for k, v in d4: print('From',k,) 2 print('values:',d4[k])
print('values: ',v) 3 4 print('___ 5 ValueError: too many values to unpack (expected 2) In []:

In [1]:

d2={"Division A" : 60, "Division B" : 70, "Division C" : 80}

{'Division A': 60, 'Division B': 70, 'Division C': 80}