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1. Python | Convert a list of Tuples into Dictionary
 def Convert(tup, di):
    for a, b in tup:
        di.setdefault(a, []).append(b)
     return di
 tups = [("akash", 10), ("gaurav", 12), ("anand", 14),
     ("suraj", 20), ("akhil", 25), ("ashish", 30)]
 dictionary = {}
 print (Convert(tups, dictionary))
{'akash': [10], 'gaurav': [12], 'anand': [14], 'suraj': [20], 'akhil': [25], 'ashish': [30]}
2. Python counter and dictionary intersection example (Make a string using deletion and
rearrangement)
 from collections import Counter
 def makeString(str1, str2):
    dict1 = Counter(str1)
    dict2 = Counter(str2)
     result = dict1 & dict2
     return result == dict1
```

**if** \_\_name\_\_ **==** "\_\_main\_\_": str1 = 'ABHISHEKsinGH' str2 = 'gfhfBHkooIHnfndSHEKsiAnG' if (makeString(str1, str2)==True): print("Possible")

3. Python dictionary, set and counter to check if frequencies can become same In [5]: from collections import Counter

print("Not Possible")

same = list(set(dict.values()))

listofwords = scrapeData.content

return listofwords

i = 0

for word in collection:

l = len(word) - 1if (len(word) < 3):

continue while i < 1:

> break else: i += 1

result = 'Word is ordered'

listofwords = listofwords.decode("utf-8").split()

if (ord(word[i]) > ord(word[i+1])): result = 'Word is not ordered'

if (result == 'Word is ordered'):

Possible

def allSame(input):

dict=Counter(input)

if len(same)>2: print('No') elif len (same)==2 and same[1]-same[0]>1: print('No') print('Yes') **if** \_\_name\_\_ **==** "\_\_main\_\_": input = 'xxxyyzzt' allSame(input) No 4. Scraping And Finding Ordered Words In A Dictionary using Python In [15]: import requests def scrapeWords(): scrape\_url = "https://raw.githubusercontent.com/dwyl/english-words/master/words\_alpha.txt" scrapeData = requests.get(scrape\_url)

def isOrdered(): collection = scrapeWords() collection = collection[:100] word = ''

print(word, ': ', result) **if** \_\_name\_\_ == '\_\_main\_\_': isOrdered() aaa : Word is ordered aah : Word is ordered aahs: Word is ordered aal : Word is ordered aals: Word is ordered aam : Word is ordered aaru : Word is ordered aas : Word is ordered 5. Possible Words using given characters in Python In [16]: def charCount(word): dict = {} for i in word: dict[i] = dict.get(i, 0) + 1return dict def possible\_words(lwords, charSet): for word in lwords: flag = 1chars = charCount(word) **for** key **in** chars: if key not in charSet: flag = 0else:

for key, vals in test\_dict.items(): for val in vals: temp[val] = keyres = [temp[ele] for ele in val\_list] print("The keys mapped to " + str(val\_list) + " are : " + str(res))

6. Python – Keys associated with Values in Dictionary

if charSet.count(key) != chars[key]:

input = ['goo', 'bat', 'me', 'eat', 'goal', 'boy', 'run']

flag = 0

charSet = ['e', 'o', 'b', 'a', 'm', 'g', 'l']

test\_dict = {'god' : [4, 5], 'is' : [8], 'best' : [10, 12]}

print("The original dictionary : " + str(test\_dict))

The keys mapped to [5, 10] are : ['god', 'best']

Tuple1 = ("A", 1, "B", 2, "C", 3)

Size of Tuple3: 80bytes

 $test_tup = (5, 20, 3, 7, 6, 8)$ 

for idx, val in enumerate(test\_tup):

res.append(val)

res = tuple(res)

list1 = [1, 2, 5, 6]

 $test_tup = (9, 10)$ 

test\_list += test\_tup

The original list is : [5, 6, 7]

print("The original tuple is : " + str(test\_tup))

if idx < K or idx >= len(test\_tup) - K:

print("The extracted values : " + str(res))

The original tuple is: (5, 20, 3, 7, 6, 8)

res = [(val, pow(val, 3)) for val in list1]

print("The original list is : " + str(test\_list))

The container after addition : [5, 6, 7, 9, 10]

print("The container after addition : " + str(test\_list))

The extracted values: (3, 5, 8, 20)

**if** flag **==** 1:

**if** \_\_name\_\_ == "\_\_main\_\_":

 $val_list = [5, 10]$ 

 $temp = \{\}$ 

import sys

goal

In [18]:

In [20]:

In [21]:

In [22]:

print(word)

possible\_words(input, charSet)

print("Size of Tuple3: " + str(sys.getsizeof(Tuple3)) + "bytes") Size of Tuple1: 96bytes Size of Tuple2: 96bytes

Tuple2 = ("Get1", "Raju", "Get2", "Nikhil", "Get3", "Deepanshu") Tuple3 = ((1, "Lion"), (2, "Tiger"), (3, "Fox"), (4, "Wolf"))

print("Size of Tuple1: " + str(sys.getsizeof(Tuple1)) + "bytes") print("Size of Tuple2: " + str(sys.getsizeof(Tuple2)) + "bytes")

The original dictionary : {'god': [4, 5], 'is': [8], 'best': [10, 12]}

7. Python program to Find the size of a Tuple

K = 2res = [] test\_tup = list(sorted(test\_tup))

8. Python – Maximum and Minimum K elements in Tuple

print(res) [(1, 1), (2, 8), (5, 125), (6, 216)]10. Python – Adding Tuple to List and vice – versa In [23]:  $test_list = [5, 6, 7]$ 

9. Create a list of tuples from given list having number and its cube in each tuple

11. Python – Closest Pair to Kth index element in Tuple In [24]: test\_list = [(3, 4), (78, 76), (2, 3), (9, 8), (19, 23)]print("The original list is : " + str(test\_list)) tup = (17, 23)K = 1min\_dif, res = 999999999, **None** for idx, val in enumerate(test\_list): dif = abs(tup[K - 1] - val[K - 1])if dif < min\_dif:</pre>  $min_dif$ , res = dif, idx print("The nearest tuple to Kth index element is : " + str(test\_list[res])) The original list is : [(3, 4), (78, 76), (2, 3), (9, 8), (19, 23)]The nearest tuple to Kth index element is : (19, 23) In [ ]: