## LAMBDA

## INDEX

Using the list 1st below, result's value would be: [('pretzels', 6), ('cookies', 5), ('chips', 3), ('carrots', 6)] [(snacks | num + 1)]

Note that the numbers in the list of tuples reflect one more than the original order for each

Write your code below and be sure result's value is the answer. snacks = ['pretzels', 'cookies', 'chips', 'carrots'] numbers = [5, 4, 2, 5]

result = [(snacks [index], numbers [index] + 1) for index in range (len(snacks))]

Write the function named howManyInRange that has one parameter named datalist, which is a list of lists in the format described earlier.

We repeat the format of parameter datalist, which is a list of lists. Each inner list is information about one food item as 1) a string representing the food item 2) a float repres the price of the food item and 3) a list of names of people who like the food item. the price of the food item and 3) a list of names of people who like the food item. This function returns a sorted list of rugbes of gains of numbers, where the first number is an integer, say N, and the second number is the number of food items that were liked that out at least X and less than N+1. A food item is counted as amay times as it is liked. Only those tuples with second number greater than 0 are in the list. The tuples are sorted the second number in roverse order, with their broken by the first number.

the second number in reverse order, with the broken by the list number. For example, constitute the datable transpile given at the beginning this problem. The call based basely integrigationality) used in cream the list.  $\{k, 2\}, \{(1, 1), (1, 0), (3, 5), (4, 5), (3, 5), (5, 4), (12, 5), (6, 5), (12, 5), (6, 5), (12, 5), (6,$ 

## SORTED

Part D (8 pts) (8 minutes)

Write the function named mostLiked that has one parameter named datalist, which a list of lists in the format described earlier.

We reneat the format of parameter datalist, which is a list of lists. Each inner list is infor-We repeat the solution or parameter unusures, which is a use of necessary much new mation about one food item as 1) a string representing the food item 2) a float repre the price of the food item and 3) a list of names of people who like the food item.

an antalist.  $g_0 \propto g_0 \sim g_0$ Complete the function below.

def nostLiked(datalist);
 d = dictPersonToltems(datalist)
 naxSice = naxSi(len(v) for v in d.values[]];
 naxSice) = [name for (name,itemlist) in d.items() if len(itemlist) == naxSize)
 return sorted(naxNeopole)



playedistributed datables, releasily,
d. decrease 'confirmations' and the confirmation of the confirmation

MAX FUNCTION KEY - VALUE PAIR



"Computers are good at following instructions, but

DICTIONARY FUNCTIONS

d[key] returns value associated w| Key; 'error' otherwise d. get (Key) returns value associated w/ Key or "None" d Keys () returns a list of the Keys in dictionary d. values () returns a list of values in dict

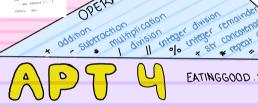
d. items returns a list of tuples (x, v) pairs d. update (dict) update dictionary with

another dictionary 'dict!

RANGE A TORS ons. append (\*-\*) " Integer division multiplication Subtraction oddition

not at reading your mind." - Donald Kuth "Everybody should learn to program a

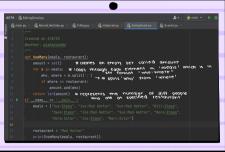
computer, because it teaches you how to think." - Steve Jobs \* SH concurenction

**FUNCTIONS** S. Indok Can 

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\* repeat (Str

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Spring

PART D (3 pts)

6

1st4 = [7, 4, 2]1st5 = 1st41st4[0] = [3]lst5[-1] = 9 $1st4 = 1st4 + \lceil 8 \rceil$ print(lst4)

print(1st5)

changes to 1st [4] imply changes to 1st [5] ONLY if an item already in the original list is altered no dranges are made to the copy if an view is simply

Output:



rint output (drag lower right corner to resize) [[3], 4, 9, 8] [[3], 4, 9] Frames Ohiorte Global frame Ist4 4 9 lst5 •