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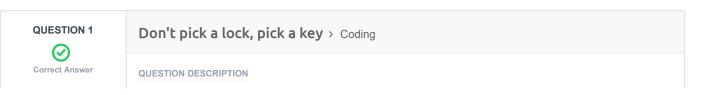
Full Name: Rohan Raj Email: rr07656@st.habib.edu.pk Test Name: CS 101 - Lab# 12 - Fall 2021 [Dictionary and Tuples] Taken On: 20 Dec 2021 15:23:54 PKT Time Taken: 8547 min 48 sec/ 13890 min Work Experience: < 1 years Invited by: Aisha Skills Score: Tags Score: CS101 100/100 Lists 100/100 NestedLists 100/100 Tuples 100/100

100% scored in CS 101 - Lab# 12 - Fall 2021 [Dictionary and Tuples] in 8547 min 48 sec on 20 Dec 2021 15:23:54 PKT

Recruiter/Team Comments:

No Comments.

Question Des	scription	Time Taken	Score	Status
Q1 Don't pick a lock, pick a key > Coding		53 min 37 sec	40/40	⊘
Q2 Say my date, say my date > Coding		15 min 22 sec	80/80	⊘
Q3 You get a birthday dictionary, and you, and	you, and you! > Coding	2 hour 15 min	80/ 80	Ø
Q4 Merge by Key > Coding		40 min 36 sec	20/ 20	Ø
Q5 Merge by Value > Coding		27 min 43 sec	20/ 20	Ø
Q6 Count Words > Coding		3 hour 5 min 12 sec	40/ 40	Ø
Q7 Last name first > Coding		2 hour 15 min 2 sec	100/ 100	⊘
Q8 Loan Repayment Strategy > Coding		2 hour 2 min 1 sec	10/ 10	⊘
Q9 Get Positions > Coding		42 min 45 sec	100/ 100	⊘



Challenge

Write a function called pick that accepts a key k and a list of dictionaries t as a parameter, and returns
a list of values corresponding to the key k in each of the dictionaries in list t.

Note

Order of values in the returned list is preserved. Key k can be of any type acceptable as a key in a dict.

Sample

```
>>> pick('year', [{'year': 1995, 'month': 8, 'day': 3}, {'year': 1994,
'month': 7, 'day': 15}, {'year': 1997, 'month': 3, 'day': 17}, {'year': 1995,
'month': 10, 'day': 17}, {'year': 1999, 'month': 3, 'day': 7}, {'year': 1995,
'month': 6, 'day': 4}, {'year': 1994, 'month': 4, 'day': 29}, {'year': 1999,
'month': 5, 'day': 18}, {'year': 1994, 'month': 7, 'day': 3}, {'year': 1994,
'month': 8, 'day': 7}, {'year': 1999, 'month': 4, 'day': 5}, {'year': 1998,
'month': 9, 'day': 30}])
[1995, 1994, 1997, 1995, 1999, 1995, 1994, 1999, 1994, 1994, 1999, 1998]
>>> pick('day', [{'year': 1995, 'month': 8, 'day': 3}, {'year': 1994,
'month': 7, 'day': 15}, {'year': 1997, 'month': 3, 'day': 17}, {'year': 1995,
'month': 10, 'day': 17}, {'year': 1999, 'month': 3, 'day': 7}, {'year': 1995,
'month': 6, 'day': 4}, {'year': 1994, 'month': 4, 'day': 29}, {'year': 1999,
'month': 5, 'day': 18}, {'year': 1994, 'month': 7, 'day': 3}, {'year': 1994,
'month': 8, 'day': 7}, {'year': 1999, 'month': 4, 'day': 5}, {'year': 1998,
'month': 9, 'day': 30}])
[3, 15, 17, 17, 7, 4, 29, 18, 3, 7, 5, 30]
```

Input/Output

Input consists of a key k on the first line, and a list literal on the second line, which HackerRank will read in as t. HackerRank will pass the two arguments to your function, and then output the result.

Constraints

• t will contain at least one date.

```
# Using a list comprehension:
def pick(k, t):
    return [d[k] for d in t]

# Using a for loop:
def pick(k, t):
    result = []
    for d in t:
        result.append(d[k])
    return result
```

CANDIDATE ANSWER

TESTCASE	DIFFICULTY	TYPE	STATUS	SCORE	TIME TAKEN	MEMORY USED
Testcase 0	Easy	Sample case	Success	10	0.0362 sec	8.01 KB
Tootoooo 1	E001/	Cample acce	O Sugges	10	0 0000 000	0 04 1/D

residase i	⊏asy	Sample case	Success	10	0.0263 Sec	0.01 ND
Testcase 2	Easy	Hidden case	Success	10	0.041 sec	8.01 KB
Testcase 3	Easy	Hidden case	Success	10	0.0641 sec	8 KB

No Comments

QUESTION 2



Score 80

Say my date, say my date > Coding

QUESTION DESCRIPTION

Background

In Python, a dictionary can be used to avoid a sequence of if-elif-else statements.

Challenge

Write a function called print_dates_in_long_form that accepts a list of date dictionaries t as a parameter, and prints dates in "month dd, yyyy" format, each date on a separate line. A single date dictionary object contains the keys 'year', 'month', and 'day', with associated numeric values.

Note

Dates should not be checked for validity. Dates should be printed in the same order as in the list. Your code must use the provided dictionary called month_names that contains a translation from the month number to the month name.

Sample

```
>>> print_dates_in_long_form([{'day': 12, 'month': 12, 'year': 1996}, {'day': 8, 'month': 12, 'year': 1995}, {'day': 30, 'month': 4, 'year': 1999}, {'day': 30, 'month': 7, 'year': 1998}])

December 12, 1996

December 8, 1995

April 30, 1999

July 30, 1998
```

Input/Output

Input consists of a list literal that HackerRank will read in as t and pass to your function.

Constraints

• t will contain at least one date.

```
def date_to_long_form(date):
    return month_names[date['month']] + ' ' + str(date['day']) + ', ' +
    str(date['year'])

def print_dates_in_long_form(dates):
    for date in dates:
        print(date_to_long_form(date))
```

CANDIDATE ANSWER

```
1 def print_dates_in_long_form(t):
2    if len(t) > 0:
3         for d in t:
```

4	print	<pre>(month_names[d['month']],</pre>	str(d['day']) +	",",	d['year'])
5					

TESTCASE	DIFFICULTY	TYPE	STATUS	SCORE	TIME TAKEN	MEMORY USED
Testcase 0	Easy	Sample case	Success	10	0.0385 sec	7.92 KB
Testcase 1	Easy	Sample case	Success	10	0.0362 sec	7.97 KB
Testcase 2	Easy	Sample case	Success	10	0.0327 sec	7.98 KB
Testcase 3	Easy	Sample case	Success	10	0.0257 sec	7.88 KB
Testcase 4	Easy	Hidden case	Success	10	0.0418 sec	7.91 KB
Testcase 5	Easy	Hidden case	Success	10	0.0358 sec	7.98 KB
Testcase 6	Easy	Hidden case	Success	10	0.0392 sec	8.02 KB
Testcase 7	Easy	Hidden case	Success	10	0.0377 sec	7.81 KB

No Comments

QUESTION 3



Score 80

You get a birthday dictionary, and you, and you, and you! > Coding

QUESTION DESCRIPTION

Background

In Python, a dictionary is a mapping from keys to values. This mapping could be used to represent attributes of an object, no matter if it is real-world or abstract.

A calendar date (in particular, from the proleptic Gregorian calendar in the common era) can be represented by a dictionary containing three keys--namely the year, month, and day--and their associated numeric values.

Challenge

Write a function called split_dates that accepts a string s as a parameter, and returns a list of dictionaries that each represent a date given in s. Each date in s is written in yyyy-mm-dd format, and is separated from other dates by whitespace.

Note

Each dictionary object in the list will contain three keys, 'year', 'month', and 'day', and their associated numeric (int type) values. Dates should not be checked for validity. Keys in dict do not necessarily preserve a particular order, so your output may display keys in a different order than the sample interaction shown below.

Sample

```
>>> split_dates('1996-12-12 1995-12-08 1999-04-30 1998-07-30')
[{'year': 1996, 'month': 12, 'day': 12}, {'year': 1995, 'month': 12, 'day': 8}, {'year': 1999, 'month': 4, 'day': 30}, {'year': 1998, 'month': 7, 'day': 30}]
>>> split_dates('1995-08-03 1994-07-15 1997-03-17 1995-10-17 1999-03-07 1995-06-04 1994-04-29 1999-05-18 1994-07-03 1994-08-07 1999-04-05 1998-09-30')
[{'year': 1995, 'month': 8, 'day': 3}, {'year': 1994, 'month': 7, 'day': 15}, {'year': 1997, 'month': 3, 'day': 17}, {'year': 1995, 'month': 10, 'day': 17}, {'year': 1999, 'month': 4, 'day': 29}, {'year': 1999, 'month': 5, 'day': 18}, {'year': 1994, 'month': 7, 'day': 3}, {'year': 1994, 'month': 8, 'day': 7}, {'year': 1999, 'month': 4, 'day': 5}, {'year': 1998, 'month': 9, 'day': 30}]
```

mpacy o acpac

Input consists of s as whitespace-separated dates in *yyyy-mm-dd* format on a single line. HackerRank will read in s and pass it to your function, and then output the dictionary, with the keys (not the values) sorted in a natural order.

Constraints

• s will contain at least one date.

```
INTERVIEWER GUIDELINES
 # One-liner using list comprehension and tuple assignment:
 def split dates(dates):
     return [{ 'year': int(year), 'month': int(month), 'day': int(day) }
 for date in dates.split() for year, month, day in [date.split('-')]]
 # Using two list comprehensions:
 def split_dates(dates):
    dates = [date.split('-') for date in dates.split()]
     return [{ 'year': int(date[0]), 'month': int(date[1]), 'day':
 int(date[2]) } for date in dates]
 # Using a for loop:
 def split dates(dates):
    result = []
     for date in dates.split():
         date = date.split('-')
         result.append({ 'year': int(date[0]), 'month': int(date[1]),
 'day': int(date[2]) })
     return result
```

CANDIDATE ANSWER

TESTCASE	DIFFICULTY	TYPE	STATUS	SCORE	TIME TAKEN	MEMORY USED
Testcase 0	Easy	Sample case	Success	10	0.0623 sec	8.74 KB
Testcase 1	Easy	Sample case	Success	10	0.0549 sec	8.84 KB
Testcase 2	Easy	Sample case	Success	10	0.0431 sec	8.75 KB
Testcase 3	Easy	Sample case	Success	10	0.0425 sec	8.86 KB
Testcase 4	Easy	Hidden case	Success	10	0.0398 sec	9.02 KB
Testcase 5	Easy	Hidden case	Success	10	0.037 sec	8.79 KB
Testcase 6	Easy	Hidden case	Success	10	0.0406 sec	8.86 KB
Testcase 7	Easy	Hidden case	Success	10	0.0598 sec	8.96 KB

No Comments

QUESTION 4



Score 20

Merge by Key > Coding

QUESTION DESCRIPTION

Problem

Write a function named merge_key that takes two dictionaries d1 and d2 with the corresponding value. If a key appears in both d1 and d2, the value in the merged dictionary is a list containing the value from d1 and from d2. The function *returns* a sorted list of the (key, value) pairs in the merged dictionary.

Hint: Use Python Dictionary get method.

Sample

```
>>> d1 = {i:chr(96+i) for i in range(1,11)}
>>> d2 = {i:chr(64+i) for i in range(1,11)}
>>> d1
{1: 'a', 2: 'b', 3: 'c', 4: 'd', 5: 'e', 6: 'f', 7: 'g', 8: 'h', 9: 'i',
10: 'j'}
>>> d2
{1: 'A', 2: 'B', 3: 'C', 4: 'D', 5: 'E', 6: 'F', 7: 'G', 8: 'H', 9: 'I',
10: 'J'}
>>> merge_key(d1,d2)
{1: ['a', 'A'], 2: ['b', 'B'], 3: ['c', 'C'], 4: ['d', 'D'], 5: ['e',
'E'], 6: ['f', 'F'], 7: ['g', 'G'], 8: ['h', 'H'], 9: ['i', 'I'], 10:
['j', 'J']}
```

Input Format

The input contains d1 and d2 on separate lines.

Output Format

The output should be a sorted list of the (key, value) pairs in the merged dictionary.

INTERVIEWER GUIDELINES

Solution

```
def merge_key(d1, d2):
    d = {}
    # Iterate over the items (k, v) of d1 and d2. Insert every newly
encountered
    # k into a new dictionary as a key with [v] as the value. If k is
    # encountered again, store the corresponing value in the new
dictionary in
    # the previously created list.
    for k, v in list(d1.items()) + list(d2.items()):
        # dict.get() eliminates the need for if-else
        d[k] = d.get(k, []) + [v]
    return d

print(sorted(merge_key(d1,d2).items()))
```

CANDIDATE ANSWER

Language used: Python 3

TESTCASE	DIFFICULTY	TYPE	STATUS	SCORE	TIME TAKEN	MEMORY USED
Testcase 0	Easy	Sample case	Success	20	0.0304 sec	7.93 KB

No Comments

QUESTION 5



Correct Answer

Score 20

Merge by Value > Coding

QUESTION DESCRIPTION

Problem

Write a function named merge_value that takes two dictionaries d1 and d2 as parameters and builds a dictionary that contains every value from d1 and d2 as key. The corresponding key in d1 and d2 becomes the value in the merged dictionary. For multiple values in the merged dictionary for the same key, the values are put in a list. The function *returns* a sorted list of the (key, value) pairs in the merged dictionary.

Sample

```
>>> d2 = {i:chr(64+i) for i in range(1,11)}
>>> d2
{1: 'A', 2: 'B', 3: 'C', 4: 'D', 5: 'E', 6: 'F', 7: 'G', 8: 'H', 9: 'I',
10: 'J'}
>>> d3 = {i-1:chr(64+i) for i in range(1,11)}
>>> d3
{0: 'A', 1: 'B', 2: 'C', 3: 'D', 4: 'E', 5: 'F', 6: 'G', 7: 'H', 8: 'I',
9: 'J'}
>>> merge_val(d2,d3)
{'B': [2, 1], 'C': [3, 2], 'D': [4, 3], 'I': [9, 8], 'A': [1, 0], 'G': [7, 6], 'E': [5, 4], 'F': [6, 5], 'J': [10, 9], 'H': [8, 7]}
```

Input Format

The input contains d1 and d2 on separate lines.

Output Format

The output should be a sorted list of the (key, value) pairs in the merged dictionary.

INTERVIEWER GUIDELINES

Solution

```
def merge value(d1, d2):
```

```
d = {}
# Iterate over the items (k, v) of d1 and d2. Insert every newly
encountered
# v into a new dictionary as a key with [k] as the value. If v is
# encountered again, store the corresponing key in the new dictionary
in the
# previously created list.
for k,v in list(d1.items()) + list(d2.items()):
# dict.get() eliminates the need for if-else
d[v] = d.get(v,[]) + [k]
return d

print(sorted(merge_value(d1,d2).items()))
```

CANDIDATE ANSWER

Language used: Python 3

```
def merge value(d1,d2):
      d = \{ \}
       1 = []
       if len (d1) == len (d2):
          for i in range (len(d1) + 1):
               1 = []
               if i in d1:
8
                   x = d1.get(i)
                   for k in d2:
                       if d2[k] == x:
                           l.append(i)
                           l.append(k)
                           d[x] = 1
           return d
15 # Enter your code here.
```



No Comments

QUESTION 6



Correct Answer

Score 40

Count Words > Coding

QUESTION DESCRIPTION

Problem

Write a function named count_words that uses a dictionary to count the words in its parameter named

- s and of type str. It then prints the identified words in ascending order along with their frequency in
- s as shown in the sample below. Space, case, and special characters must be ignored when counting.

Sample

>>> count_words("Python is a widely used high-level programming language for general-purpose programming, created by Guido van Rossum and first released in 1991. An interpreted language, Python has a design philosophy that emphasizes code readability (notably using whitespace indentation to delimit code blocks rather than curly brackets or keywords), and a syntax that allows programmers to express concepts in fewer lines of code than

```
might be used in languages such as C++ or Java. It provides constructs
that enable clear programming on both small and large scales.")
1991 = 1
a = 3
allows = 1
an = 1
and = 3
as = 1
be = 1
blocks = 1
both = 1
brackets = 1
by = 1
c = 1
clear = 1
code = 3
concepts = 1
constructs = 1
created = 1
curly = 1
delimit = 1
design = 1
emphasizes = 1
enable = 1
express = 1
fewer = 1
first = 1
for = 1
generalpurpose = 1
guido = 1
has = 1
highlevel = 1
in = 3
indentation = 1
interpreted = 1
is = 1
it = 1
java = 1
keywords = 1
language = 2
languages = 1
large = 1
lines = 1
might = 1
notably = 1
of = 1
on = 1
or = 2
philosophy = 1
programmers = 1
programming = 3
provides = 1
python = 2
rather = 1
readability = 1
released = 1
rossum = 1
scales = 1
small = 1
such = 1
syntax = 1
than = 2
that = 3
to = 2
used = 2
using = 1
van = 1
whitespace = 1
widely = 1
```

Solution def count_words(s): new_s = '' for letter in s.lower(): if ord('a') <= ord(letter) <= ord('z') or letter in '01234567890 ': new_s += letter d = {} for word in new_s.split(): d[word] = d.get(word, 0) + 1 for k,v in sorted(d.items()): print(k, '=', v)</pre>

CANDIDATE ANSWER

Language used: Python 3

```
1 # Enter your code here.
 2 def count words(s):
     n = []
     d = \{ \}
4
     l = s.split()
     for i in 1:
         p = ""
8
         if type (i) == str:
             i = i.lower()
         for k in i:
             if ord (k) > 96 and ord (k) < 123 or (ord (k) > 47 and ord (k) < 123
12 58):
                 p += k
         if p != "":
             n.append(p)
         n.sort()
     for m in n:
         if m not in d:
             d[m] = 1
          else:
              d[m] += 1
     for o in d:
         print (o, "=", d[o])
```

TESTCASE	DIFFICULTY	TYPE	STATUS	SCORE	TIME TAKEN	MEMORY USED
Testcase 0	Easy	Sample case	Success	20	0.023 sec	8.01 KB
Testcase 1	Easy	Sample case	Success	10	0.0303 sec	8.06 KB
Testcase 2	Easy	Sample case	Success	10	0.0349 sec	7.84 KB

No Comments

Correct Answer

QUESTION DESCRIPTION

Score 100

Challenge

Write a function named <code>last_name_first</code> that accepts a single parameter, <code>t</code>, which is passed a list of tuples. Each tuple contains a name in parts (first name, middle name, last name). Your function should modify each name so that the last name appears first in the tuple.

Note

This function modifies a list in place and, as such, should not return any useful value.

Sample interaction

```
>>> t = [('Ahmed', 'Dawood'), ('Haroon', 'Hussain', 'Fawad', 'Rasheed'),
  ('Muhammad', 'Faisal', 'Amin')]
>>> last_name_first(t)
>>> print(t)
[('Dawood', 'Ahmed'), ('Rasheed', 'Haroon', 'Hussain', 'Fawad'), ('Amin',
  'Muhammad', 'Faisal')]
```

Input/Output

Input and output will be handled by HackerRank.

Constraints

t is a list of tuples, where each tuple has one or more strings in it.

```
def last_name_first(names):
   for p in range(len(names)):
     name = names[p]
     name = (name[-1], ) + name[:-1]
     names[p] = name
```

CANDIDATE ANSWER

```
1 def last_name_first(t):
2    for j in range(len(t)):
3         t[j] = (t[j][-1],) + (t[j][:-1])
4
```

TESTCASE	DIFFICULTY	TYPE	STATUS	SCORE	TIME TAKEN	MEMORY USED
Testcase 0	Easy	Sample case	Success	10	0.0414 sec	7.88 KB
Testcase 1	Easy	Sample case	Success	10	0.0317 sec	7.92 KB
Testcase 2	Easy	Sample case	Success	10	0.0364 sec	7.91 KB
Testcase 3	Easy	Sample case	Success	10	0.0325 sec	7.87 KB
Testcase 4	Easy	Sample case	Success	10	0.0254 sec	7.88 KB
Testcase 5	Easy	Hidden case	Success	10	0.0325 sec	8.01 KB
Testcase 6	Easy	Hidden case	Success	10	0.0363 sec	8 KB
Testcase 7	Easy	Hidden case	Success	10	0.0318 sec	7.96 KB
Testcase 8	Easy	Hidden case	Success	10	0.0387 sec	7.95 KB
Testcase 9	Easy	Hidden case	Success	10	0.0245 sec	8 KB

QUESTION 8



Score 10

Loan Repayment Strategy > Coding

QUESTION DESCRIPTION

On the advice of your relative from the stick market, you have invested in stock in the hope to eventually pay off your Habib loan. Your relative sends you daily updates on your stocks in the following form.

Purchase Date	Purchase Price	Shares	Symbol	Current Price
26 Aug 2019	43.50	100	HU	47.02
27 Aug 2019	22.07	500	PTI	19.11
30 Oct 2019	51.98	200	JHR	50.14
28 Nov 2019	137.92	50	WTF	150.28

You want to find out your current earnings from this information.

In the table above, each share of HU is at a profit of 47.02 - 43.50 = 3.52. As you have 100 shares of HU, your profit is $100 \times 3.52 = 352$. Similarly, with PTI you are at a loss of $500 \times (22.07-19.11) = 1480$. Your JHR stocks are at a loss of $200 \times (51.98-50.14) = 268$ and and your WTF stocks are at a profit of $50 \times (150.28-137.92) = 618$. Your total profit is 352 - 1480 - 268 + 618 = -778.

Function Description

Complete the function *compute_profit* in the editor below. It returns the total profit from given stock information which is provided as a list of tuples. Each tuple contains the following items in the given order. The type of each item is shown.

• <purchase_date>:int

· <purchase_price>: float

<shares>: int

<symbol>:str

<current_price>: float

Constraints

- The argument contains at least 1 tuple.
- All tuples in the list follow the format described above.

▼ Input Format For Custom Testing

The input consists of a single line which contains all information of all stocks in a single line delimited by a space character. The output is a single numeric value indicating the total profit. The input is read and passed to your function and your function's return value is printed by the program.

▼ Sample Case 0

Sample Input For Custom Testing

25-Jan-2001 43.50 25 CAT 92.45 25-Jan-2001 42.80 50 DD 51.19 25-Jan-2001 42.10 75 EK 34.87 25-Jan-2001 37.58 100 GM 37.58

Sample Output

1101

Explanation

The input contains information of 4 stocks. The name and corresponding profit from each are as follows.

```
• CAT: 25 * (92.45 - 43.5) = 1223.75

• DD: 50 * (51.19 - 42.8) = 419.5

• EK: 75 * (34.87 - 42.1) = -542.25

• GM 100 * (37.58 - 37.58) = 0
```

The total profit is therefore 1223.75 + 419.5 - 542.5 + 0 = 1101

▼ Sample Case 1

Sample Input For Custom Testing

```
TODO: ADD_SAMPLE_INPUT
```

Sample Output

```
TODO: ADD SAMPLE OUTPUT
```

Explanation

TODO: ADD_EXPLANATION

INTERVIEWER GUIDELINES

Solution

```
import math
def compute_profit(stock_info):
    profit = 0
    for _, cost, qty, _, price in stock_info:
        profit += qty * (price - cost)
    return profit
```

CANDIDATE ANSWER

Language used: Python 3

```
# Enter your code here.
def compute_profit(stock_info):
    x = 0

for i in stock_info:
    p = i[2] * (i[4] - i[1])
    x += p

return (round(x))
```

TESTCASE	DIFFICULTY	TYPE	STATUS	SCORE	TIME TAKEN	MEMORY USED
Testcase 0	Easy	Sample case	Success	10	0.0375 sec	8.1 KB

No Comments





Correct Answer

Score 100

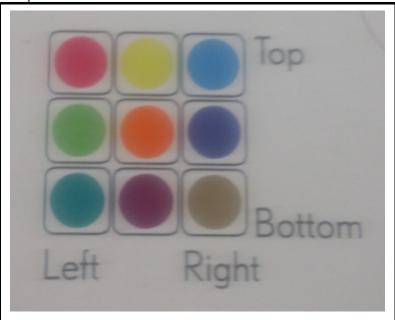
QUESTION DESCRIPTION

Problem

Define a function named --- ----- which takes the bear and --1-- as arguments

and returns a list of all positions (tuple containing the row,col) at which this color is on in the board.

Sample



```
>> board=[["Pink", "Yellow", "LightBlue"],
["Green", "Orange", "DarkBlue"], ["Teal",
"Purple", "Gold"]]
>> get_positions(board, "Yellow")
    [(0,1)]
>> get_positions(board, "Red")
    []
```

Input Format

The input consists of a board on the first line. The second line contains value for **color**

Output Format

The output should be a list of all positions (tuple containing the row,col) at which this color is on in the board.

if board[i][j] == color:

INTERVIEWER GUIDELINES def read_board(): ''''read_board() -> list of lists. Reads a sequence of 9 space separated colors from console and returns them arranged as a board. '''' board = input().strip().split() return [board[:3], board[3:6], board[6:]] def get_positions(board, color): '''get_positions(list, str) -> list of pairs Returns all positions of color on board. Each position is represented as a pair (row,col) with row and col 0-indexed row and column numbers. ''' pos = [] for i in range(3): for j in range(3):

```
pos.append((i,j))
return pos

board = read_board()
color = input()
print(get_positions(board, color))
```

CANDIDATE ANSWER

Language used: Python 3

```
1 # Enter your code here.
 2 def get_positions(board, color):
      l = board.split()
     p = []
     if color not in board:
 6
         return []
   else:
   for i in range(len(1)):
 8
         if l[i] == color:
                t = (i // 3),
                 t = t + (i % 3,)
                p.append(t)
13 return p
14 board = input()
15 color = input()
16 print(get_positions(board, color))
```

TESTCASE	DIFFICULTY	TYPE	STATUS	SCORE	TIME TAKEN	MEMORY USED
Testcase 0	Easy	Sample case	Success	10	0.0264 sec	8 KB
Testcase 1	Easy	Sample case	Success	10	0.0366 sec	7.93 KB
Testcase 2	Easy	Hidden case	Success	10	0.0416 sec	7.88 KB
Testcase 3	Easy	Sample case	Success	10	0.0255 sec	7.8 KB
Testcase 4	Easy	Hidden case	Success	10	0.0293 sec	7.79 KB
Testcase 5	Easy	Hidden case	Success	10	0.0262 sec	7.92 KB
Testcase 6	Easy	Sample case	Success	10	0.0351 sec	7.88 KB
Testcase 7	Easy	Hidden case	Success	10	0.0303 sec	7.86 KB
Testcase 8	Easy	Hidden case	Success	10	0.0528 sec	8.08 KB
Testcase 9	Easy	Hidden case	Success	10	0.0379 sec	7.91 KB

No Comments

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