Question1

Create a function that takes three integer arguments (a, b, c) and returns the amount of

integers which are of equal value.

Examples

equal(3, 4, 3) ➞ 2

equal(1, 1, 1) ➞ 3

equal(3, 4, 1) ➞ 0

Notes

Your function must return 0, 2 or 3.

Question2

Write a function that converts a dictionary into a list of keys-values tuples.

Examples

dict\_to\_list({

&quot;D&quot;: 1,

&quot;B&quot;: 2,

&quot;C&quot;: 3

}) ➞ [(&quot;B&quot;, 2), (&quot;C&quot;, 3), (&quot;D&quot;, 1)]

dict\_to\_list({

&quot;likes&quot;: 2,

&quot;dislikes&quot;: 3,

&quot;followers&quot;: 10

}) ➞ [(&quot;dislikes&quot;, 3), (&quot;followers&quot;, 10), (&quot;likes&quot;, 2)]

Notes

Return the elements in the list in alphabetical order.

A:

def func(d):

d1=d

list1 = list(d1.items())

return list1

# Driver's code

d= {"D":1, "B":2,"C":3}

list1=func(d)

print(list1)

def sortfirst(val):

return val[0]

list1.sort(key=sortfirst)#ascending order

print(list1)

list1.sort(key=sortfirst, reverse=True)# decending order

print(list1)Question3

Write a function that creates a dictionary with each (key, value) pair being the (lower case,

upper case) versions of a letter, respectively.

Examples

mapping([&quot;p&quot;, &quot;s&quot;]) ➞ { &quot;p&quot;: &quot;P&quot;, &quot;s&quot;: &quot;S&quot; }

mapping([&quot;a&quot;, &quot;b&quot;, &quot;c&quot;]) ➞ { &quot;a&quot;: &quot;A&quot;, &quot;b&quot;: &quot;B&quot;, &quot;c&quot;: &quot;C&quot; }

mapping([&quot;a&quot;, &quot;v&quot;, &quot;y&quot;, &quot;z&quot;]) ➞ { &quot;a&quot;: &quot;A&quot;, &quot;v&quot;: &quot;V&quot;, &quot;y&quot;: &quot;Y&quot;, &quot;z&quot;: &quot;Z&quot; }

Notes

All of the letters in the input list will always be lowercase.

Question4

Write a function, that replaces all vowels in a string with a specified vowel.

Examples

vow\_replace(&quot;apples and bananas&quot;, &quot;u&quot;) ➞ &quot;upplus und bununus&quot;

vow\_replace(&quot;cheese casserole&quot;, &quot;o&quot;) ➞ &quot;chooso cossorolo&quot;

vow\_replace(&quot;stuffed jalapeno poppers&quot;, &quot;e&quot;) ➞ &quot;steffed jelepene peppers&quot;

Notes

All words will be lowercase. Y is not considered a vowel.

A:

def vow\_replace(s,x):

test\_str=s

vowels = 'AEIOUaeiou'

# iterating to check vowels in string

for ele in vowels:

# replacing vowel with the specified character

test\_str = test\_str.replace(ele, x)

print(test\_str)

x='A'

vow\_replace("sourav",x)

Question5

Create a function that takes a string as input and capitalizes a letter if its ASCII code is even

and returns its lower case version if its ASCII code is odd.

Examples

ascii\_capitalize(&quot;to be or not to be!&quot;) ➞ &quot;To Be oR NoT To Be!&quot;

ascii\_capitalize(&quot;THE LITTLE MERMAID&quot;) ➞ &quot;THe LiTTLe meRmaiD&quot;

ascii\_capitalize(&quot;Oh what a beautiful morning.&quot;) ➞ &quot;oH wHaT a BeauTiFuL

A:

def asci\_capitalize():

S1=""

c =str(input())

for i in c:

x=ord(i)

if x%2==0:

S1+=i.upper()

else:

S1+=i

print(S1)

asci\_capitalize()