zip and filter in python

Asked 1 year, 3 months ago Active 2 months ago Viewed 3k times



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Hi I am struggling with this can someone help? "Write code using zip and filter so that these lists (I1 and I2) are combined into one big list and assigned to the variable opposites if they are both longer than 3 characters each." data:



```
11 = ['left', 'up', 'front']
12 = ['right', 'down', 'back']
```



this is what I have:

```
13=list(zip(11,12))
opposites=list(filter(lambda s:len(s)>3,13))
```

The problem is that I need two arguments to be more than length 3.

```
python filter zip Edit tags
```

edited Jul 18 '19 at 20:59



skytaker 3,072 1 17 27

asked Jul 18 '19 at 20:54



445 3 9

4 Answers





You could use this piece of code:



opposites=filter(lambda tup : len(tuple[0])>3 and len(tuple[1])>3,zip(11,12))





edited Sep 3 at 14:46



Adrian Mole **22.6k** 13 27 44

answered Sep 3 at 8:27



varun-joshi1509



I do it like this, using list comprehensions:



opposites = [(w1,w2) for (w1,w2) in list(zip(11,12)) if len(w1) > 3 and len(w2) > 3



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edited Feb 16 at 15:22



Adrian Mole **22.6k** 13 27 44

answered Feb 16 at 15:03





There is no need to create a third list, 13 = zip(11, 12) of tuples outside the filter(). The zip(11, 12) will provide the required sequence of tuples.



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```
opposites = list(filter(lambda x: (len(x[0]) > 3 and len(x[1]) > 3), zip(l1, l2)))
```



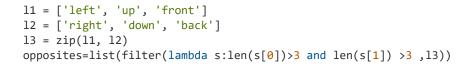
edited Dec 26 '19 at 5:11 answered Dec 26 '19 at 4:34 user12598640 Bruce **1,513** 3 15 19



I guess you can do it like this

















Thank you very much , very helpfull - zachi Jul 19 '19 at 2:20