

For Loops







Complete Python Bootcamp

Many objects in Python are "iterable", meaning we can iterate over every element in the object.

Such as every element in a list or every character in a string.

We can use for loops to execute a block of code for every iteration.







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The term **iterable** means you can "iterate" over the object.

For example you can iterate over every character in a string, iterate over every item in a list, iterate over every key in a dictionary.







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Syntax of a for loop

```
my_iterable = [1,2,3]
for item_name in my_iterable:
    print(item_name)
```

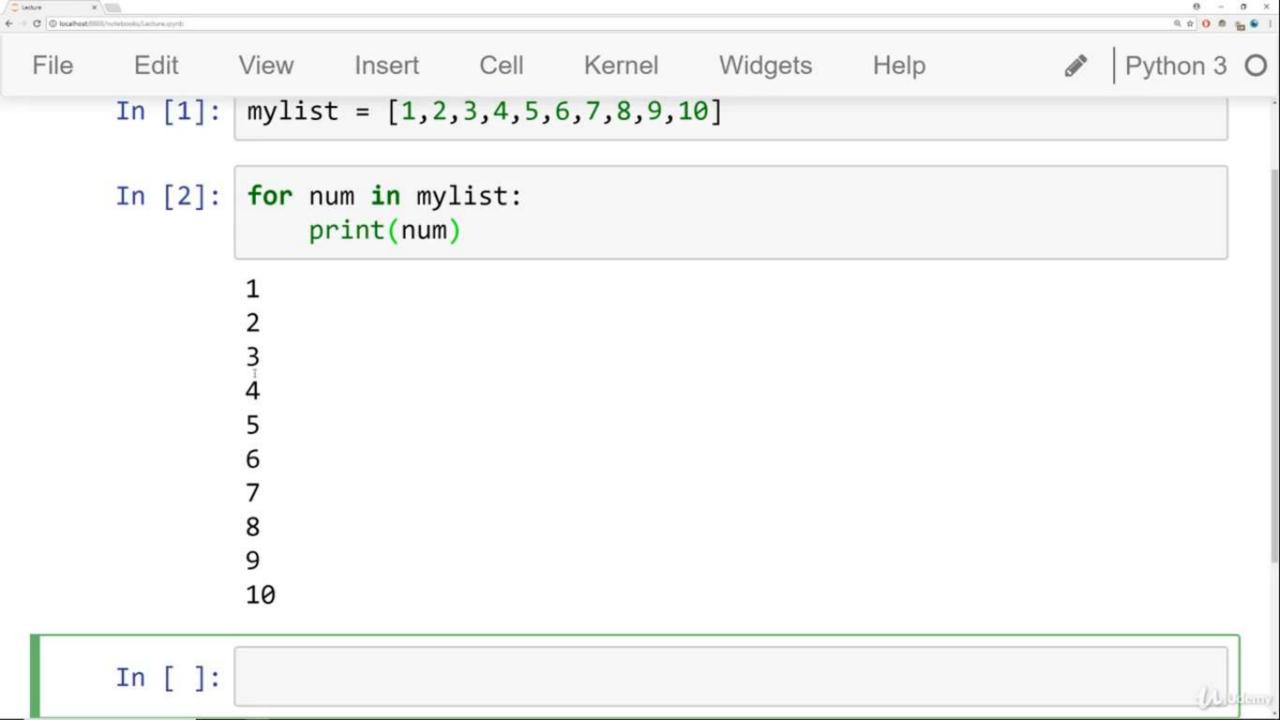
- >> 1
- >> 2
- >> 3

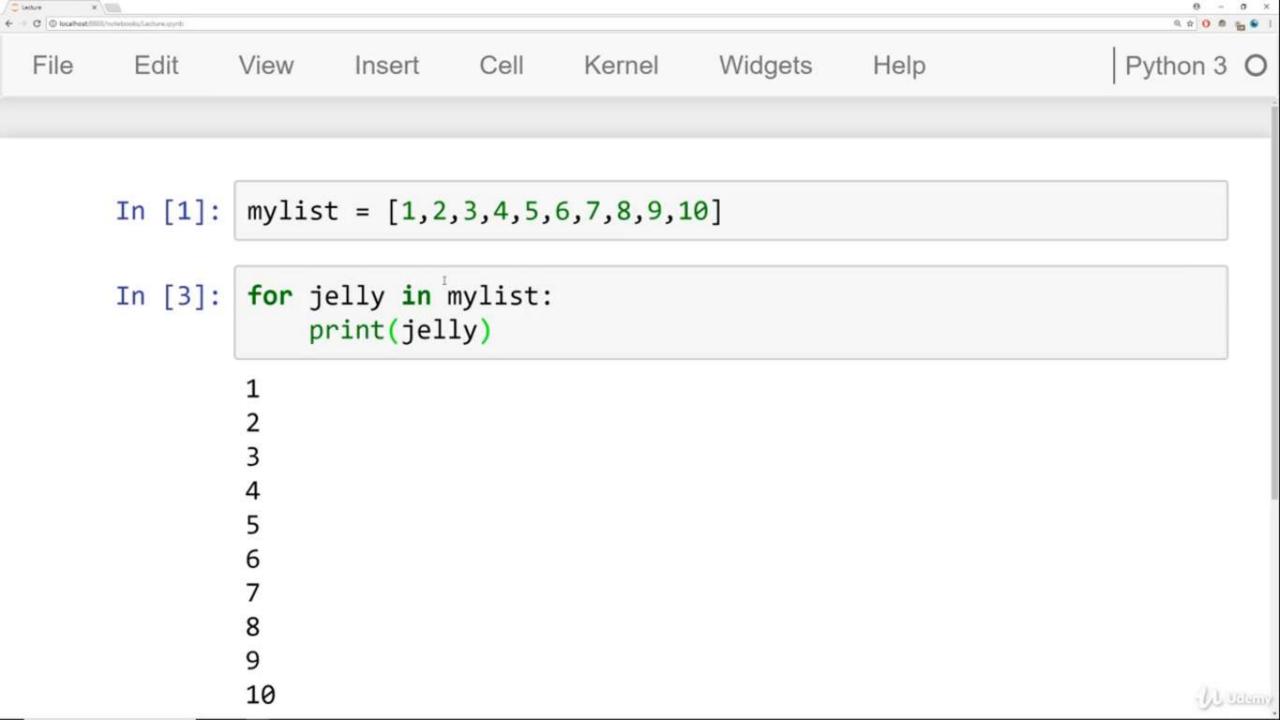


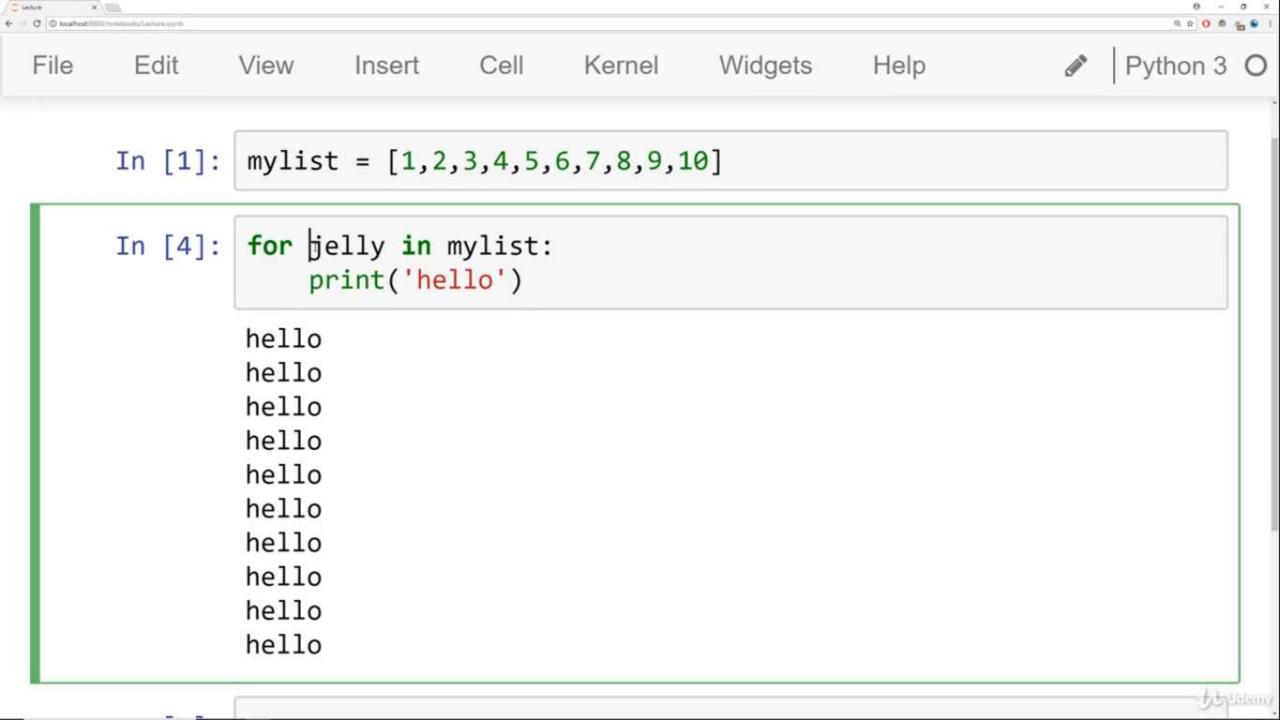


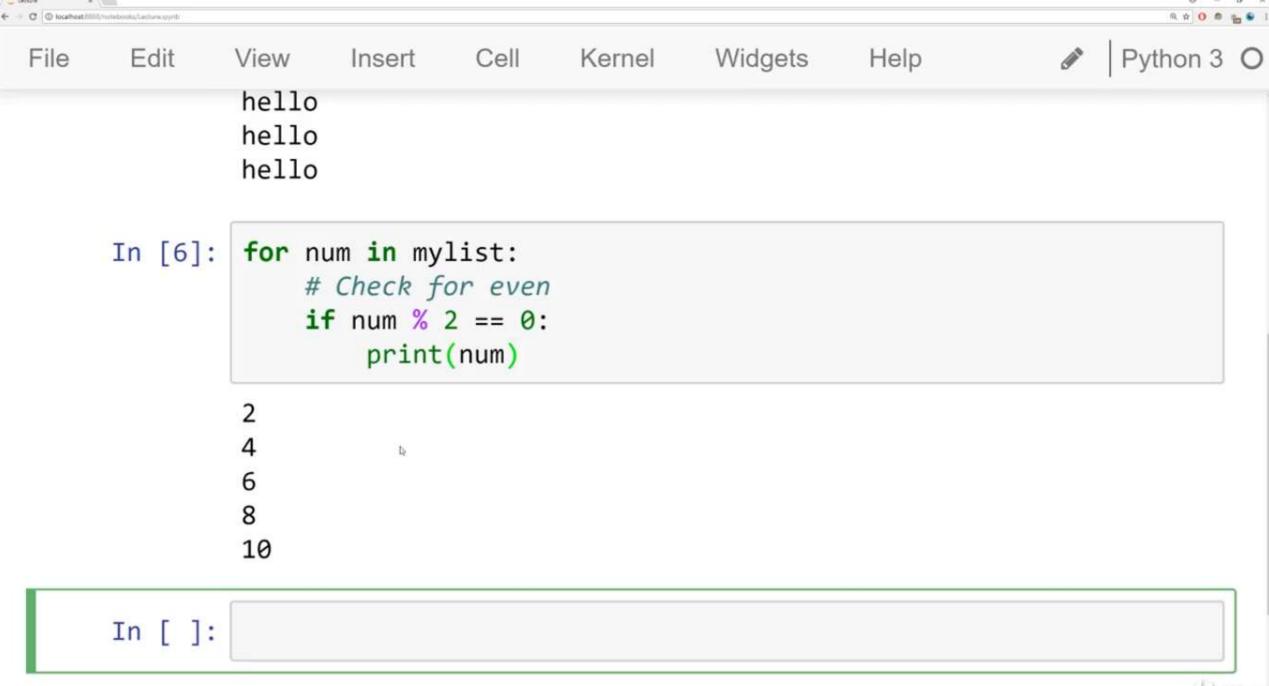
Let's explore these concepts!

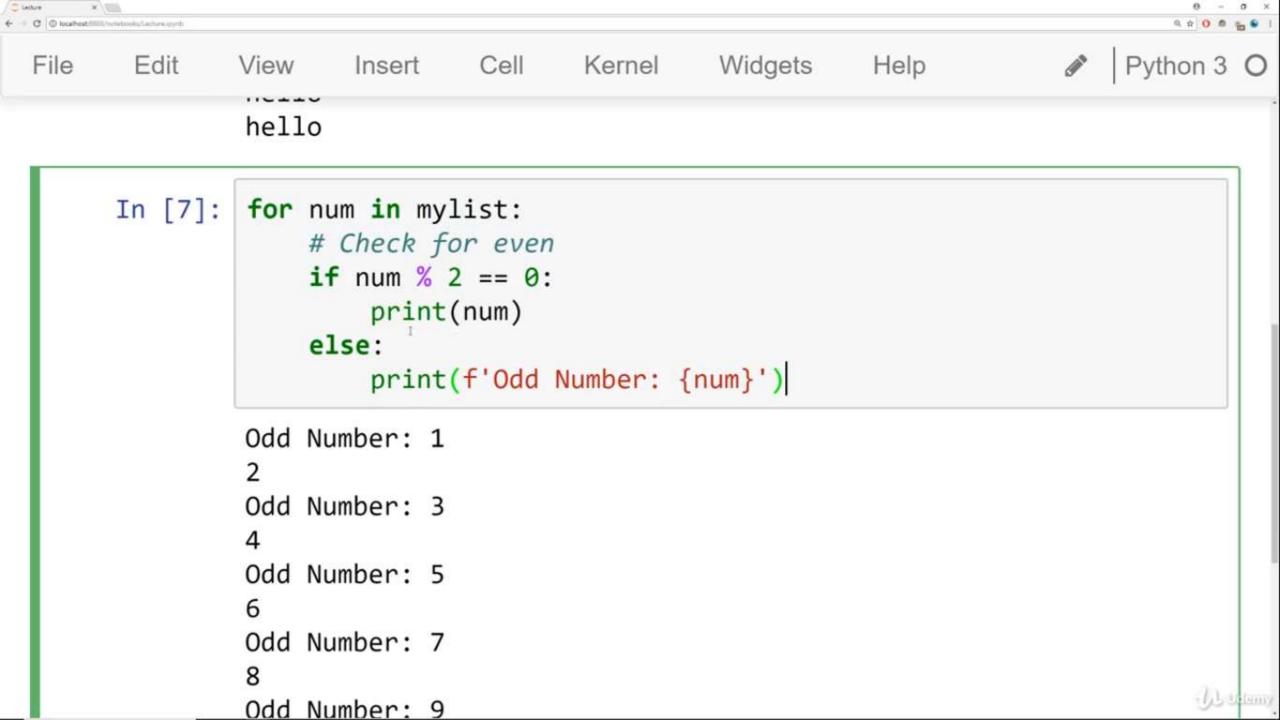


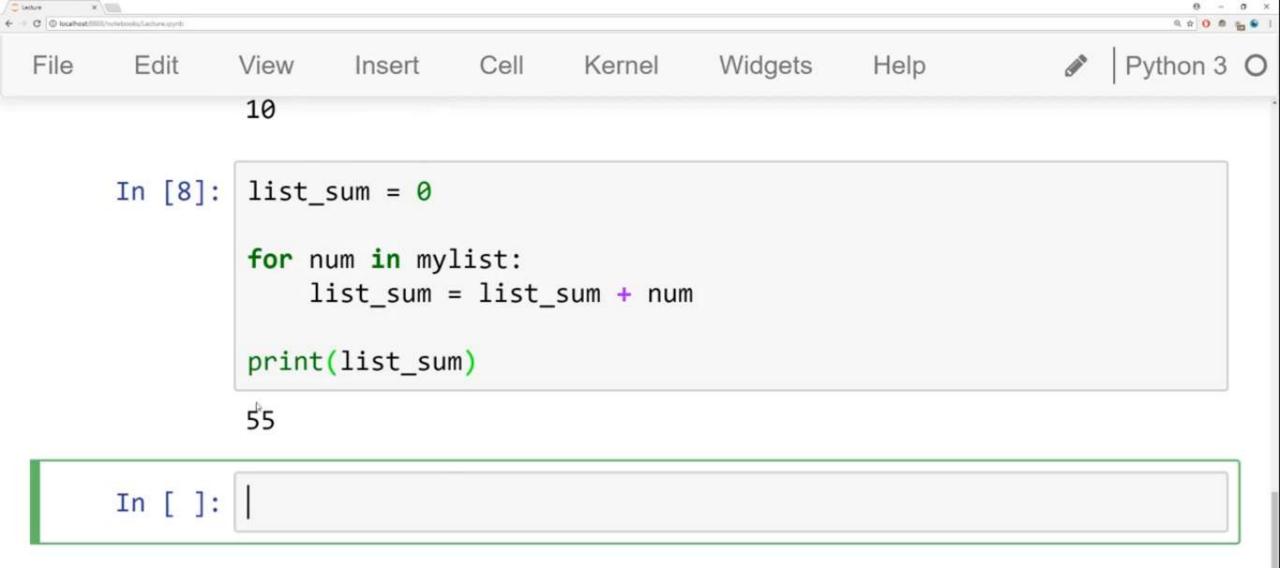




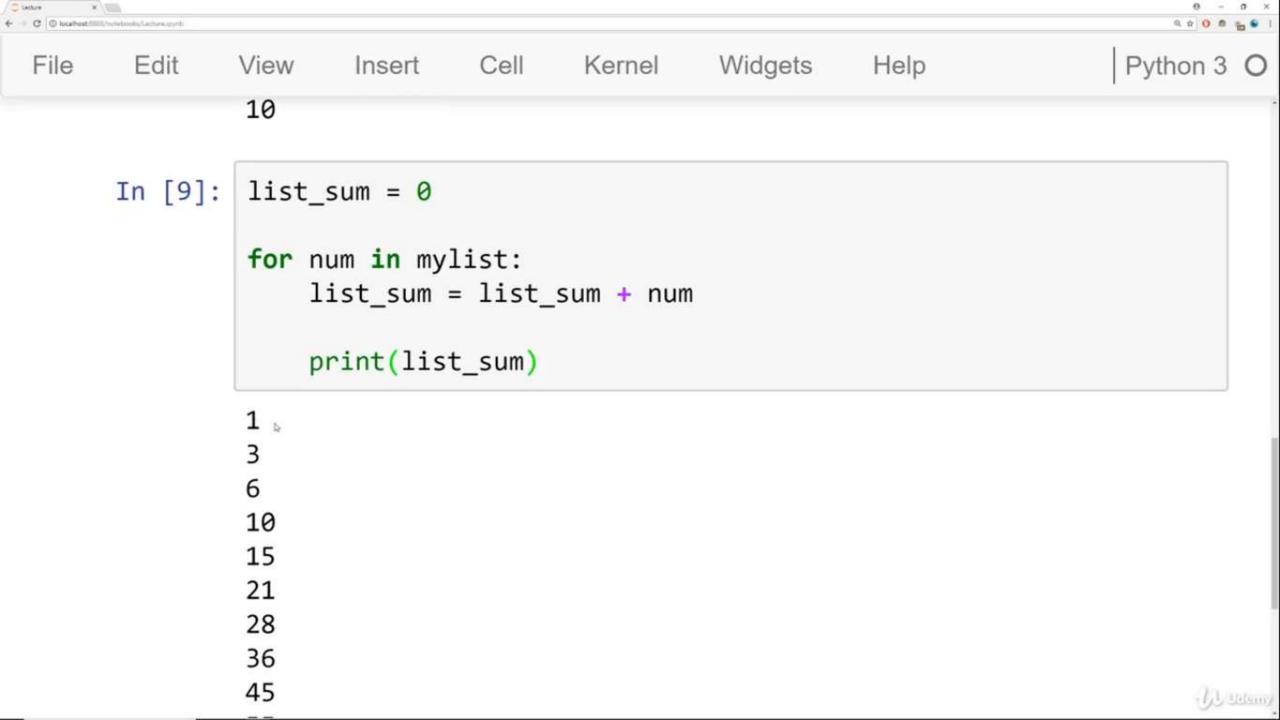


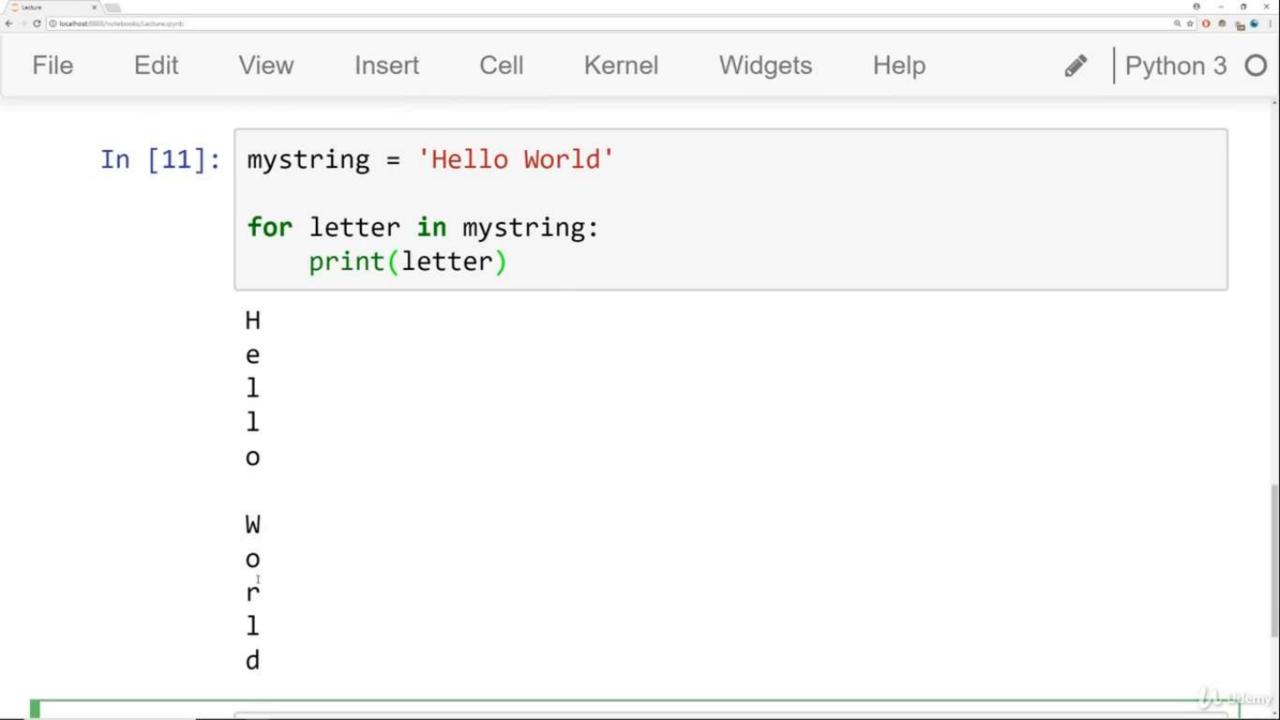


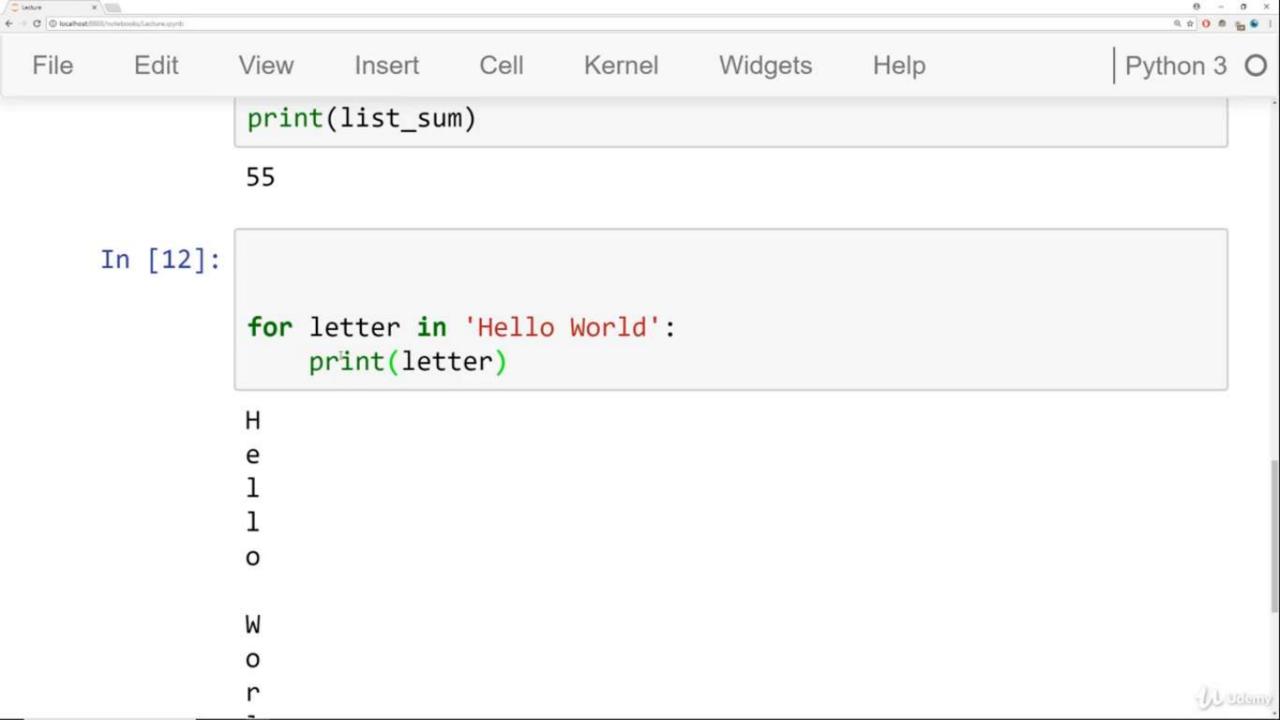


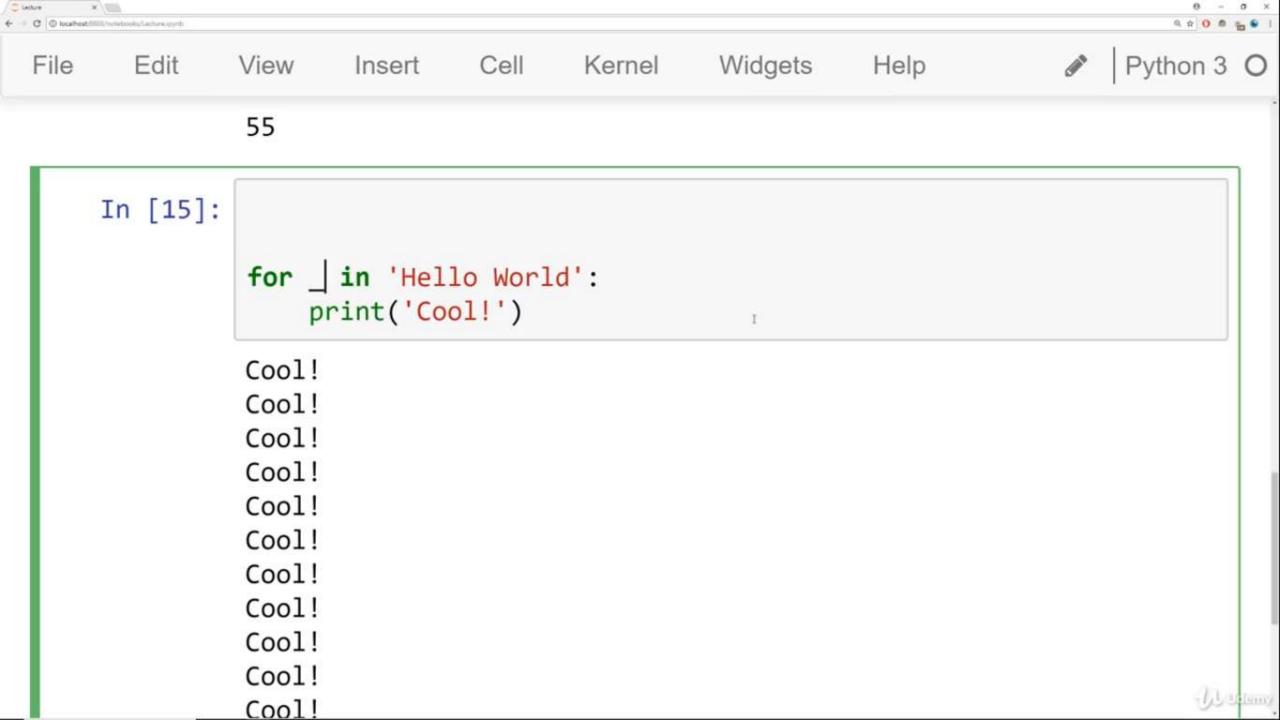


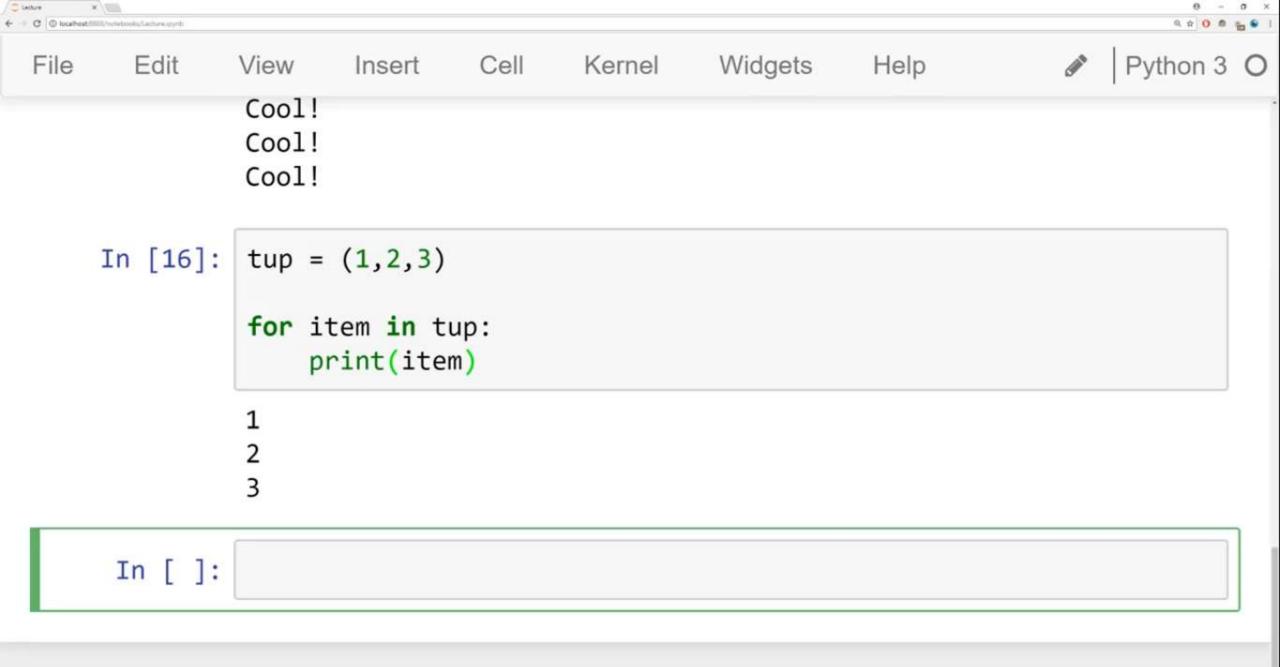
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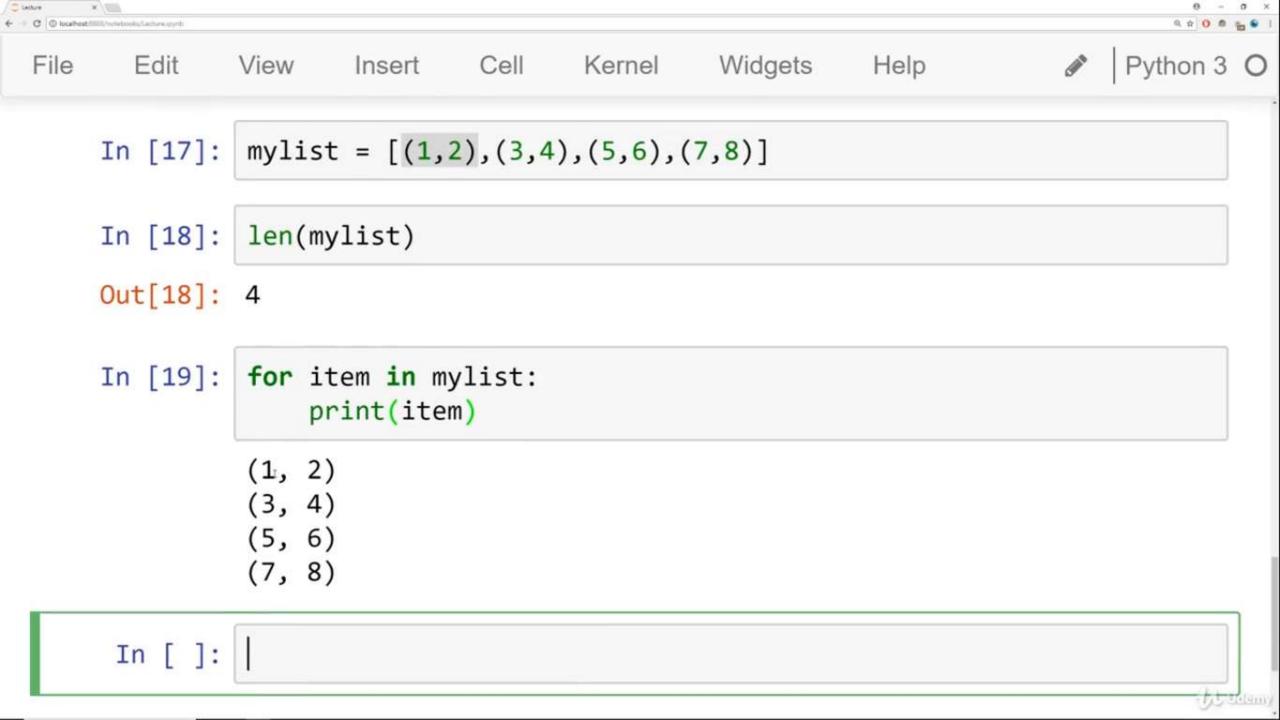


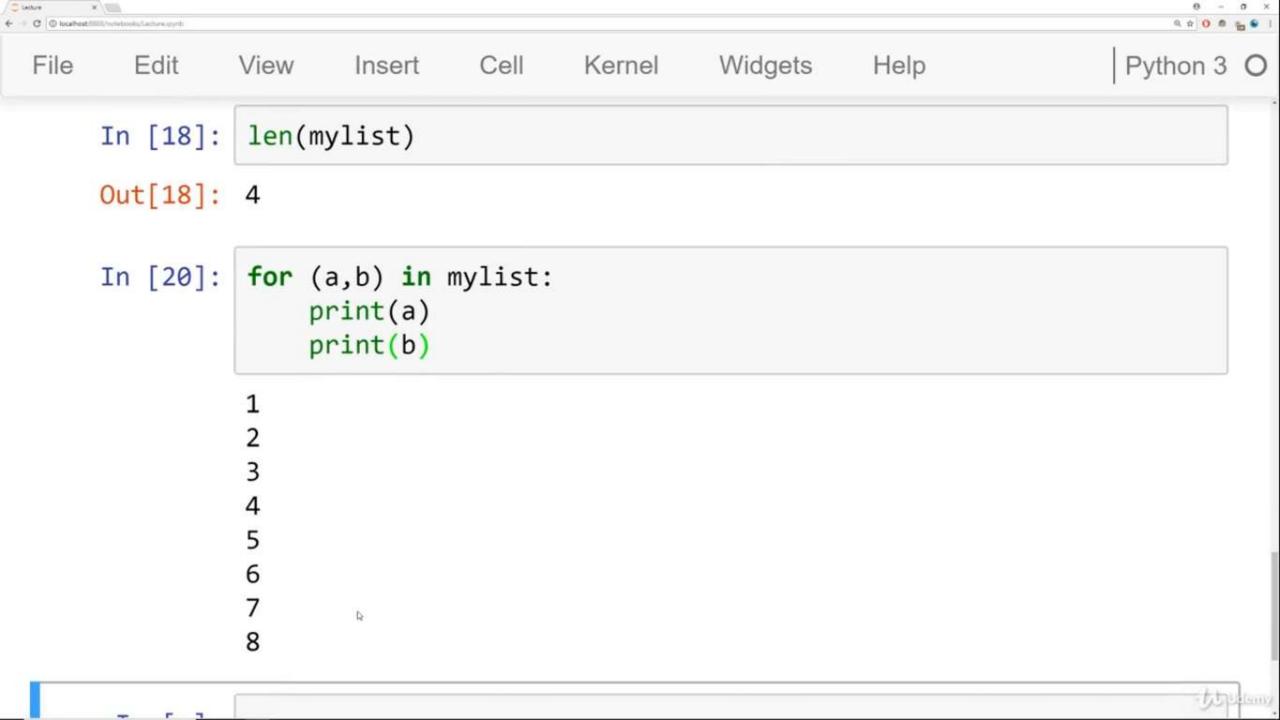


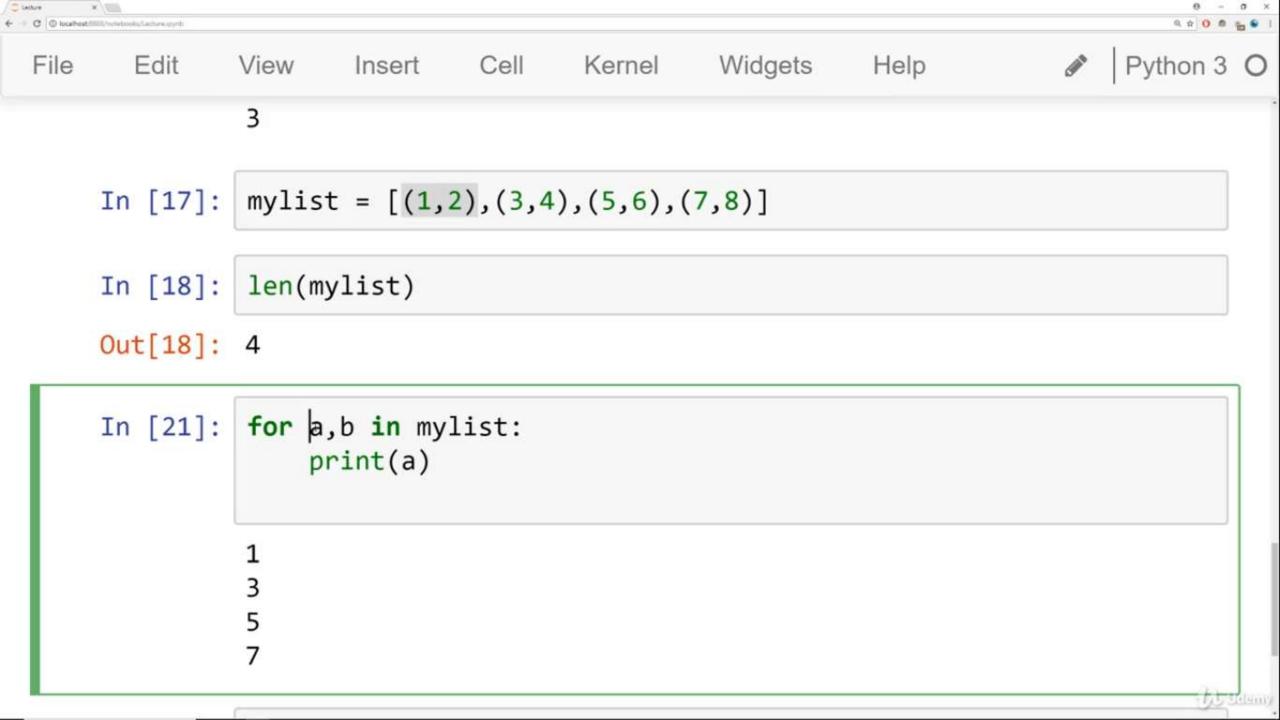


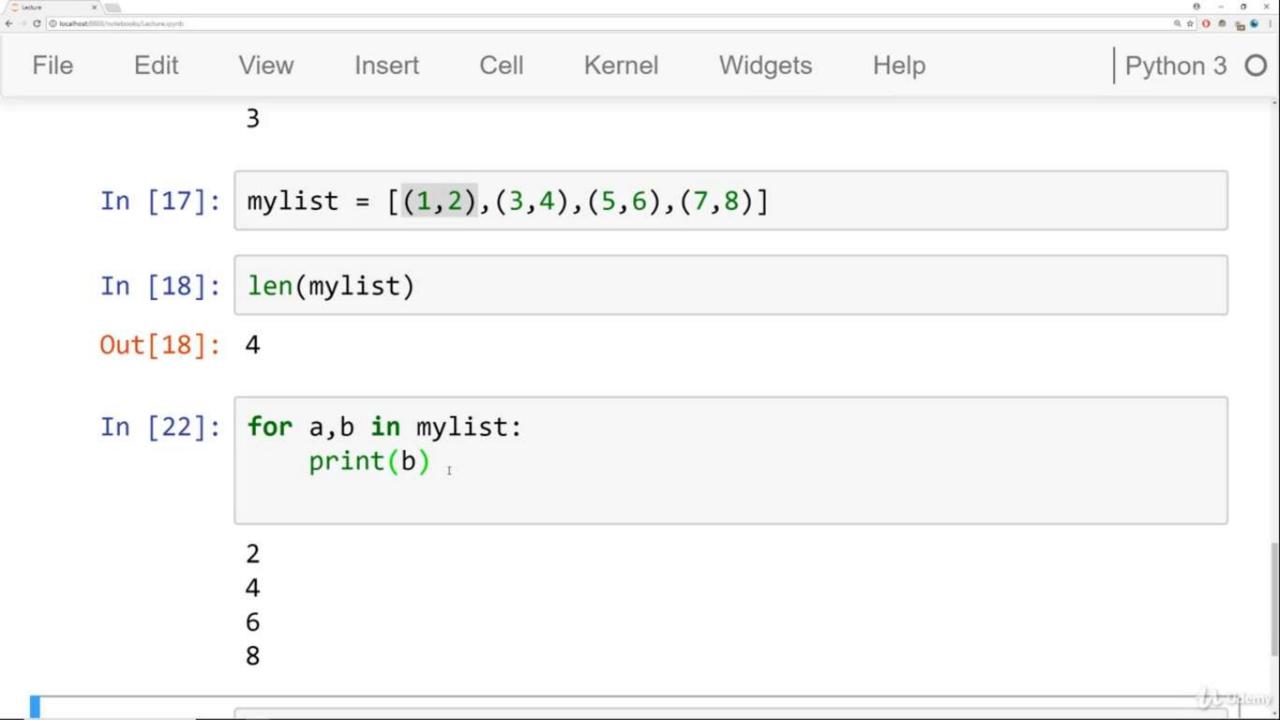


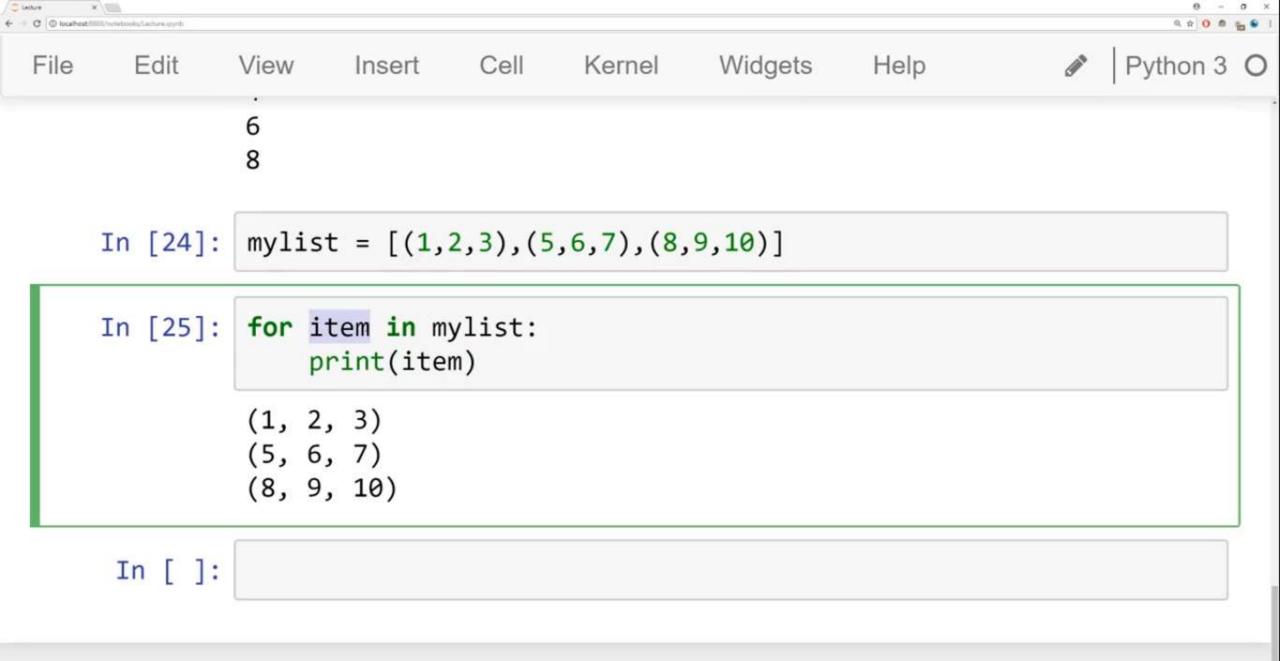












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                   6
                    8
                                                              Tuple Unpacking
       In [24]: mylist = [(1,2,3),(5,6,7),(8,9,10)]
       In [26]: for a,b,c in mylist:
                         print(b)
                   9
        In [ ]:
```





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