

List Comprehensions







Complete Python Bootcamp

List Comprehensions are a unique way of quickly creating a list with Python.

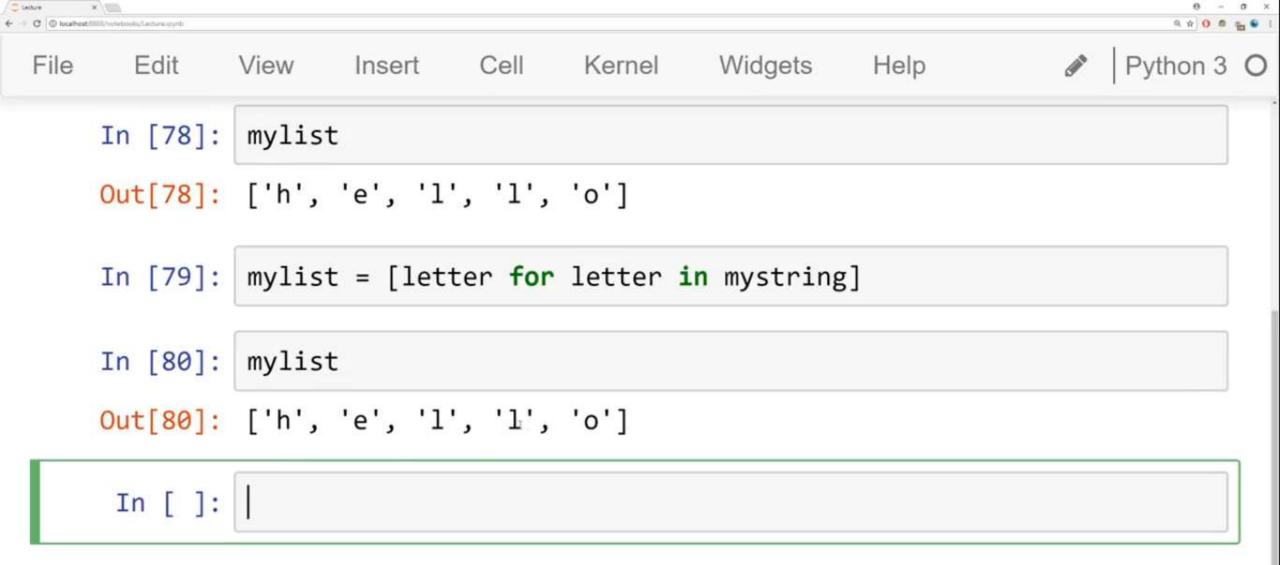
If you find yourself using a for loop along with append() to create a list, List Comprehensions are a good alternative!

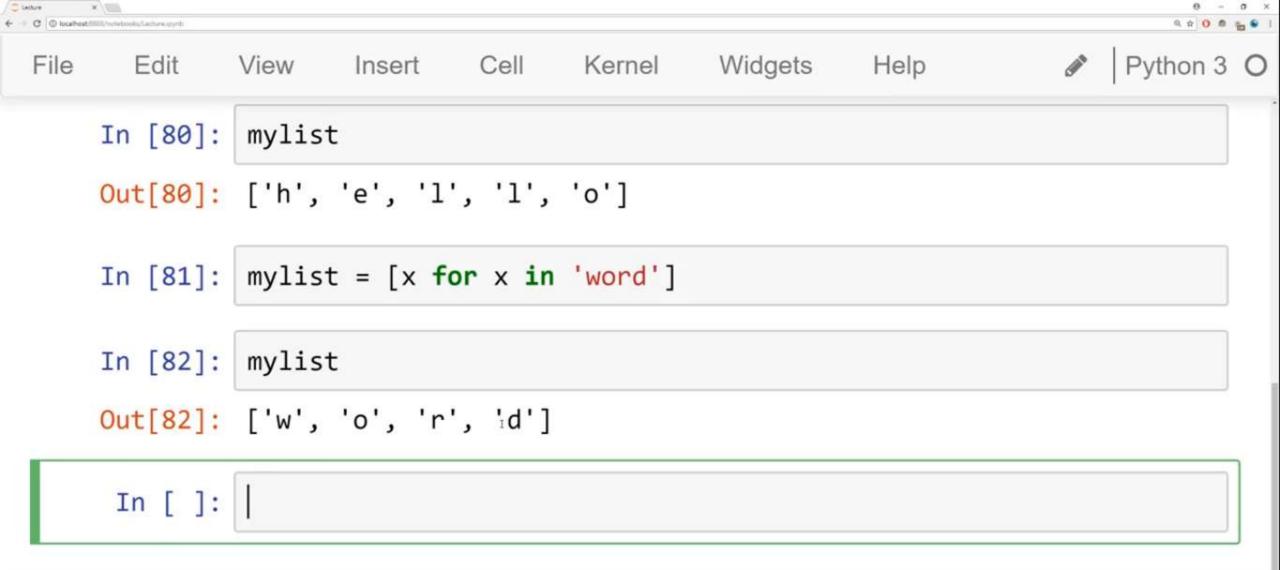
To do this, let's go to a Jupyter Notebook!

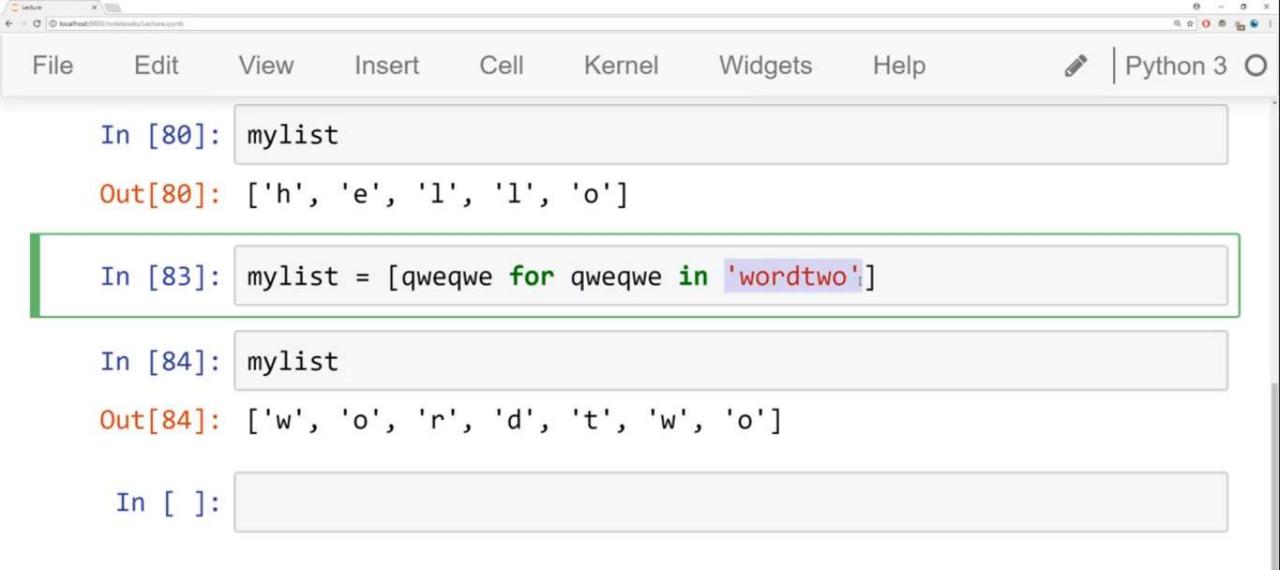


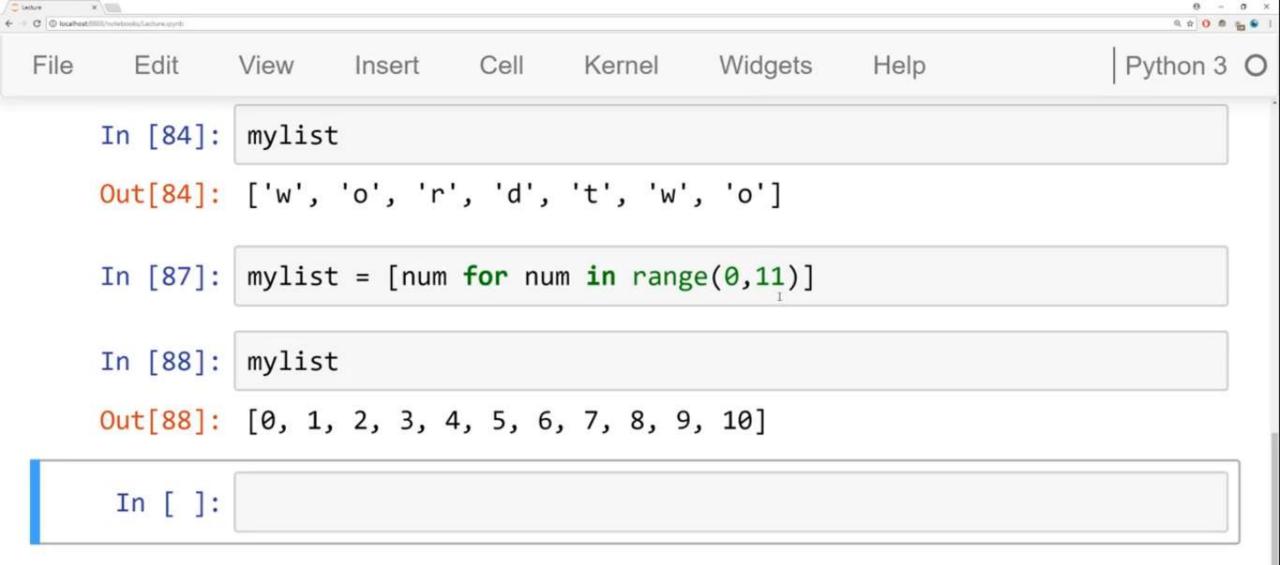


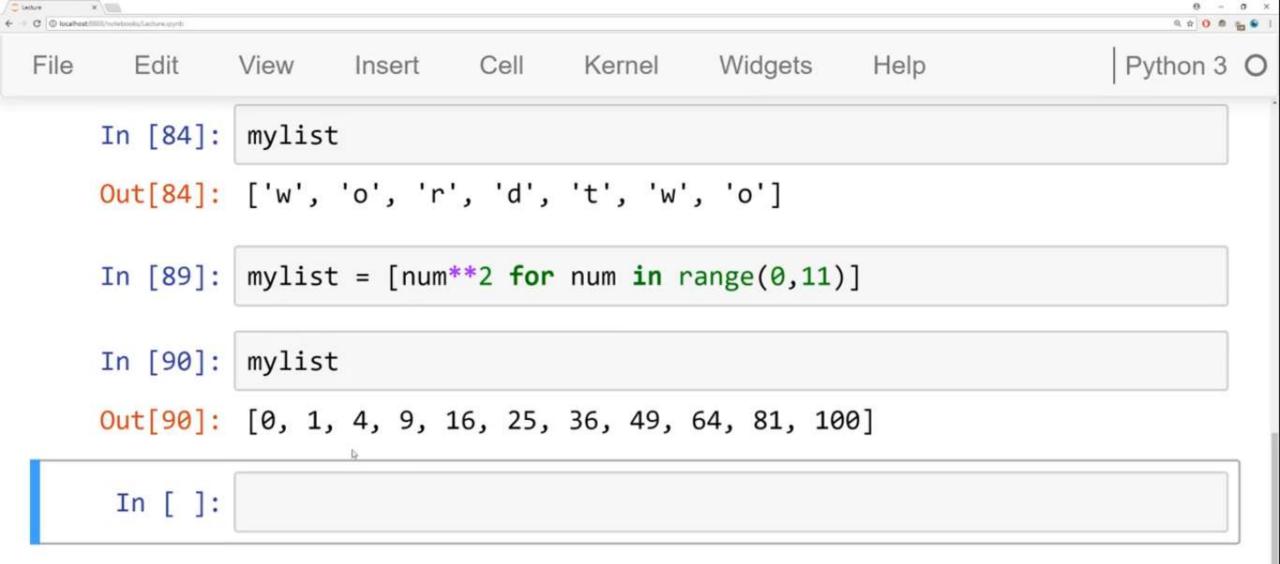


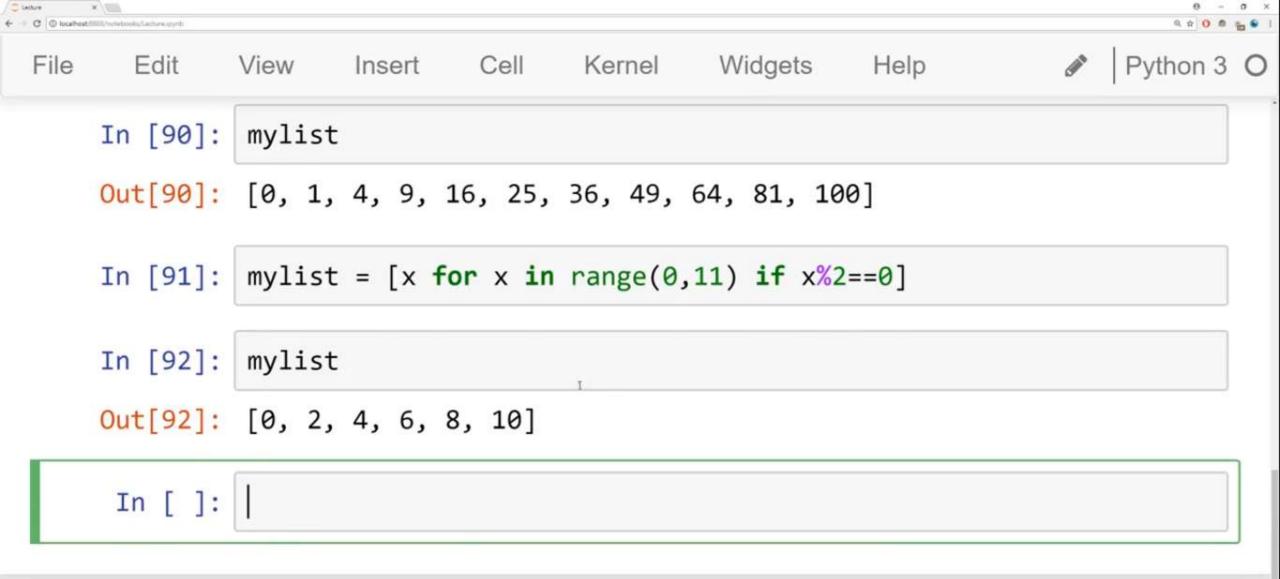


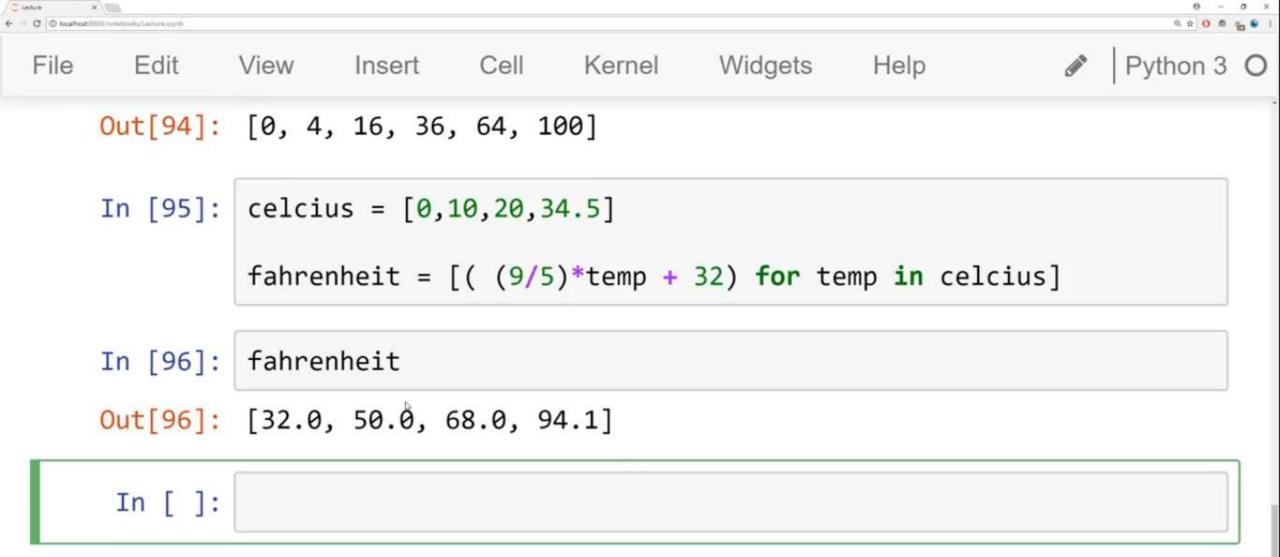


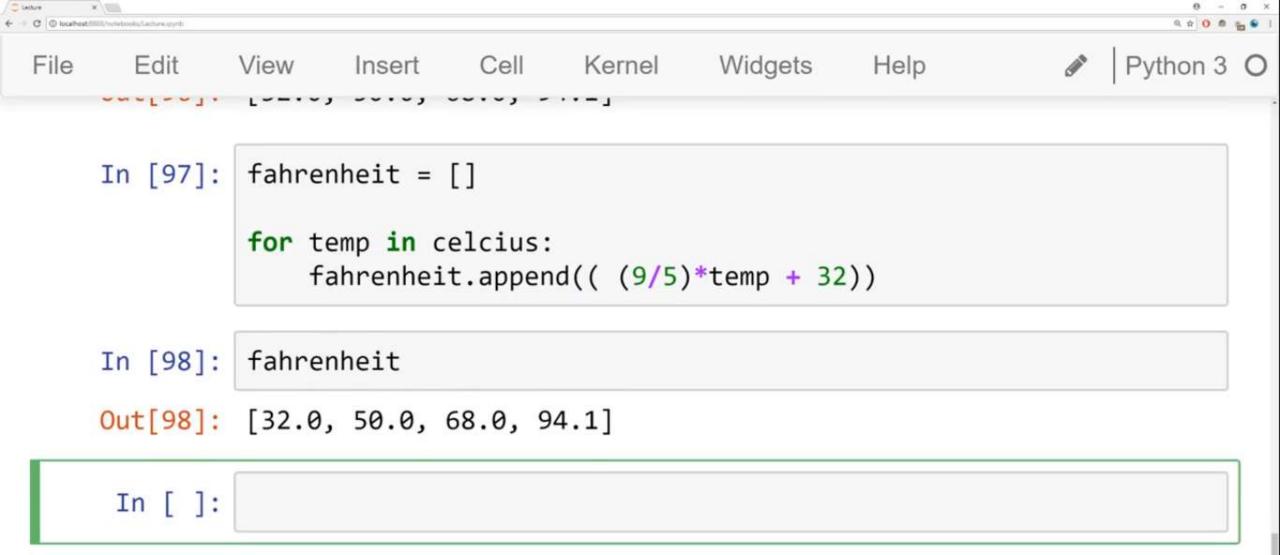


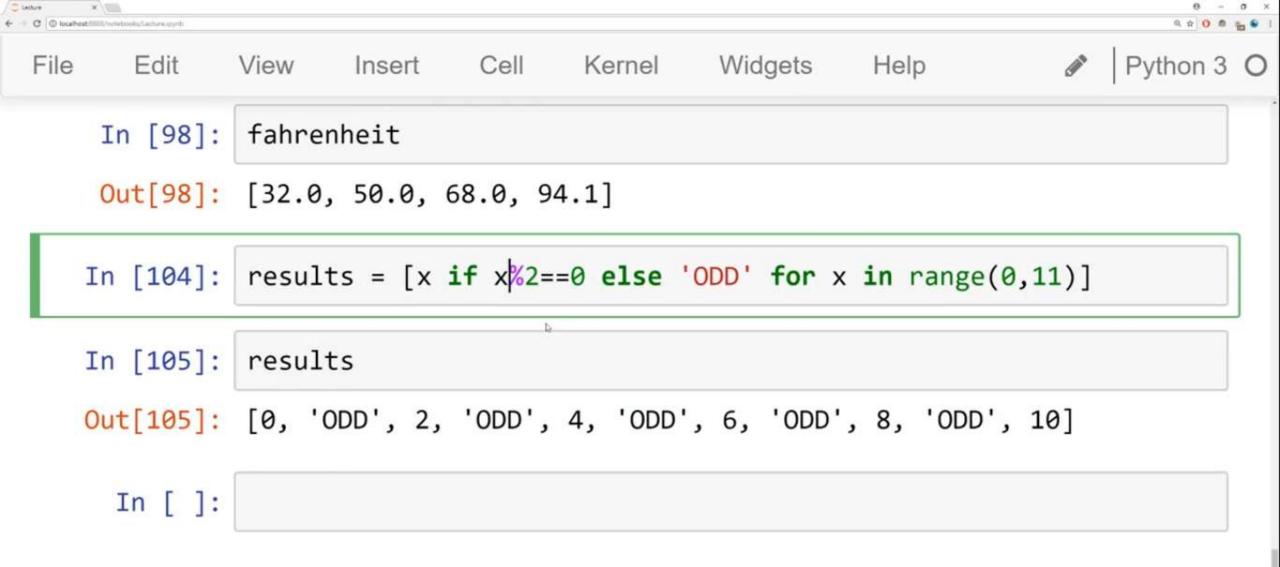












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   TII [TAD] . LEPATTO
   Out[105]: [0, 'ODD', 2, 'ODD', 4, 'ODD', 6, 'ODD', 8, 'ODD', 10]
   In [106]: mylist = []
              for x in [2,4,6]:
                  for y in [100,200,300]:
                      mylist.append(x*y)
   In [107]: mylist
   Out[107]: [200, 400, 600, 400, 800, 1200, 600, 1200, 1800]
     In [ ]:
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     TIL [TAD] . LEPATICE
     Out[105]: [0, 'ODD', 2, 'ODD', 4, 'ODD', 6, 'ODD', 8, 'ODD', 10]
     In [108]: mylist = []
                 for x in [2,4,6]:
                     for y in [1,10,1000]:
                          mylist.append(x*y)
     In [109]: mylist
     Out[109]: [2, 20, 2000, 4, 40, 4000, 6, 60, 6000]
       In [ ]:
```

