iter-tools2

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In [18]: import itertools as it
         # https://www.geeksforgeeks.org/iterator-functions-python-set-2islice-starmap-tee/
In [19]: li = [2, 4, 5, 7, 8, 10, 20]
         t_list = [ (1, 10, 5), (8, 4, 1), (5, 4, 9), (11, 10, 1) ]
In [20]: # islice(iterable, start, stop, step)
         # selectively prints the values mentioned in its iterable container
        print (list(it.islice(li,1, 6, 2)))
[4, 7, 10]
In [21]: # starmap(func., tuple list)
         # returns the value according to the function from each tuple of list.
        print (list(it.starmap(max,t_list)))
[10, 8, 9, 11]
In [22]: # takewhile(func, iterable)
         # opposite of dropwhile(), it prints the values till the function returns false for 1
         print (list(it.takewhile(lambda x : x%2==0,li )))
[2, 4]
In [23]: # tee(iterator, count)
         # splits the container into a number of iterators mentioned in the argument.
         itr_li = iter(li)
                                                   # Here "li" can also be used insted of "itr
         tee_li = it.tee(itr_li, 3)
         for i in tee_li:
                 print (list(i))
```