itertools-inf

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In [1]: import itertools as it

In [2]: # count(start, step)
        # This iterator starts printing from the start number and prints infinitely. If steps

        a = it.count(5,2)   # prints -- 5,7,9,11...infinitely

In [3]: # cycle(iterable)
        # This iterator prints all values in order from the passed container. It restarts prin

        b = it.cycle([1,2,3,4])   # prints -- 1,2,3,4,1,2,3,4,1...infinitely

In [4]: # repeat(val, num)
        # This iterator repeatedly prints the passed value infinite number of times. If num. i

        c = it.repeat(6,4)   # prints [6, 6, 6, 6]
        d = it.repeat(2)

In [5]: ###############################################
        # Example #
        ###############################################
        print (list(it.islice(a, 0, 10, 1)), end = '\n\n')
        print (list(it.islice(b, 0, 10, 1)), end = '\n\n')
        print (list(it.islice(c, 0, 10, 1)), end = '\n\n')
        print (list(it.islice(d, 0, 10, 1)), end = '\n\n')
```

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[5, 7, 9, 11, 13, 15, 17, 19, 21, 23]

[1, 2, 3, 4, 1, 2, 3, 4, 1, 2]

[6, 6, 6, 6]

[2, 2, 2, 2, 2, 2, 2, 2, 2, 2]
```