ITERATION TOOLS

Python has many tools for working with iterables

You should already know almost all of these:

```
next len slicing
iter
      reversed
zip
filter
sorted
enumerate
min
      max
            sum
all
      any
map
reduce
```

built-in functools module

The itertools module

Slicing islice

Selecting and Filtering dropwhile takewhile compress filterfalse

combinations_with_replacement

Chaining and Teeing chain tee

Mapping and Reducing starmap accumulate

Infinite Iterators count cycle repeat

Zipping zip_longest

Combinatorics product permutations combinations