

# SLICING ITERABLES

NOT JUST SEQUENCE TYPES!



## itertools.islice

We know that we can slice sequence types

```
seq[i:j:k]
```

```
seq[slice(i, j, k)]
```

We can also slice general iterables (including iterators of course)

→ `islice(iterable, start, stop, step)`

```
from itertools import islice
```

```
l = [1, 2, 3, 4]
```

```
result = islice(l, 0, 3)
```

```
list(result) → [1, 2, 3]
```

→ `islice` returns a lazy iterator

```
list(result) → []
```

 even though `l` was a list!



# Coding Exercises