

YIELD FROM

Delegating to another iterator

Often we may need to delegate yielding elements to another iterator

```
file1.csv  file2.csv  file3.csv
```

```
def read_all_data():  
    for file in ('file1.csv', 'file2.csv', 'file3.csv'):  
        with open(file) as f:  
            for line in f:  
                yield line
```

The inner loop is basically just using the file iterator and yielding values directly

Essentially we are **delegating** yielding to the file iterator

Simpler Syntax

We can replace this inner loop by using a simpler syntax: **yield from**

```
def read_all_data():  
    for file in ('file1.csv', 'file2.csv',  
                'file3.csv'):  
        with open(file) as f:  
            for line in f:  
                yield line
```

```
def read_all_data():  
    for file in ('file1.csv', 'file2.csv',  
                'file3.csv'):  
        with open(file) as f:  
            yield from f
```

We'll come back to **yield from**, as there is a lot more to it!

Coding Exercises

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