

# Working with Infinite Collections

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# Problems with Lists

**Functions such as filter and map create lists**

**Fine if lists are small**

**Not good if lists are massive**

**Instead use Sequences**



# Example of Using Sequence

```
val titles = meetings  
    .asSequence()  
    .filter {it -> it.title.startsWith("C")}  
    .map { m-> m.title}
```



Terminal and  
non-terminal  
operations

**Sequences are lazily evaluated**

**Evaluation starts when using terminal  
operation**



# Summary



**Similar to lists**

**Lazily evaluated**

**Prefer to lists**

**Like Java 8 Streams**

