

Eager and Lazy Evaluation

- Mapping a function over a list is evaluated eagerly
- To make this lazy, we can convert the list to a sequence

```
fun printAndSquare(x: Int): Int {  
    println(x)  
    println(x * x)  
    return x * x  
}  
  
val xs: List<Int> = listOf(1, 2, 3, 4, 5, 6, 7, 8)  
xs.map(::printAndSquare)  
val sequence = xs.asSequence()  
val ys = sequence.map(::printAndSquare)  
val lys = ys.toList()
```