

# PEP Scala (3)

Email: christian.urban at kcl.ac.uk  
Office: N7.07 (North Wing, Bush House)  
Slides & Code: KEATS  
Office Hours: **next Monday** 11 – 12 & 13 – 14

# Marks for CW6 (Part 1 + 2)

Raw marks (234 submissions):

- 6%: 163 students
- 5%: 29
- 4%: 3
- 3%: 13
- 2%: 3
- 1%: 0
- 0%: 23

```
def collatz(n: Long) : Long =  
  {  
    val toReturn = collatzHelper(n, 0)  
    toReturn  
  }
```

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```
def collatz(n: Long) : Long =  
  collatzHelper(n, 0)
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```
def collatz_max(bnd: Long) : (Long,Long) :
```

```
def collatz_max(bnd: Long) : (Long,Long) = {val lst = for(a<-(1 to bnd.toInt)) yield (collatz(a),a.
```

```
def collatz_max(bnd: Long) : (Long,Long) :
```

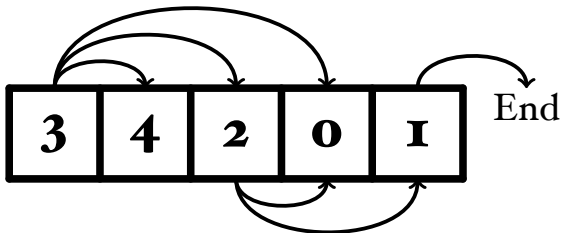
```
def collatz_max(bnd: Long) : (Long,Long) = {val lst = for(a<-(1 to bnd.toInt)) yield (collatz(a),a.
```

```
1 def process_ratings(lines: List[String]) = {
2     val values = List[(String,String)]()
3
4     for(line <- lines){
5         val splitList = line.split(",").toList
6
7         if(splitList(2).toInt >= 4){
8             val userID = splitList(0)
9             val movieID = splitList(1)
10            val tuple = (userID, movieID)
11            tuple :: values
12        }
13    }
14
15    values
16 }
```

What does this function always return?



# Jumping Towers



shortest:  $3 \rightarrow 4 \rightarrow \text{End}$

# “Children” / moves

