Infinite Lists Problems

Problem 5

The goal of this problem is to work the definition of infinite lists. In particular, you are required to define the function that generates the sequence of the factorial numbers [1,1,2,6,24,120,720,5040...]. Use the function *factorials* :: [Integer]

Input	Output	
take 6 factorials	-> [1,1,2,6,24,120]	
take 4 factorials	-> [1,1,2,6]	

Factorial Numbers

n	n!
0	1
1	1
2	2
3	6
4	24
5	120
6	720
7	5040
8	40.320

iterate

```
λ> iterate (*2) 1
⑤ [1, 2, 4, 8, 16, ...]
```

scanl

Input: scanl (/) 64 [4,2,4]

Output: [64.0,16.0,8.0,2.0]

Instructor Youtube Channel: Lucas Science



