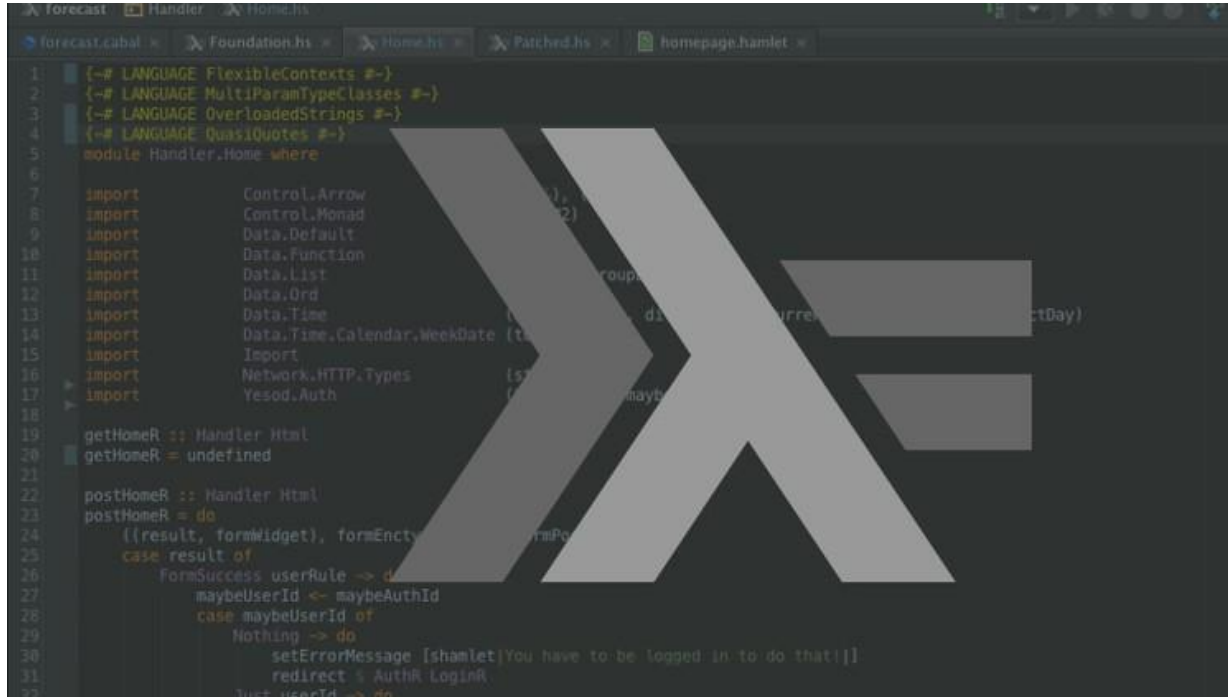# Infinite Lists Problems

Problem 3

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 integer numbers [0,1,-,1,2,-2,3,-3…]. Use the function *ints :: [Integer]*

Input   Output

```
take 8 ints                    ->  [0,1,-1,2,-2,3,-3,4]

take 5 ints                    ->  [0,1,-1,2,-2]
```

iterate

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

Instructor Youtube Channel: Lucas Science