A tour of Nix

31 / 35 Fold: Implementing 'map'

Use `fold` to write your own `map` function.

Note: The little error is intended, FIX IT!

Note: See video @youtube

```
 1 with import <nixpkgs> { };
 2 let
 3   listOfNumbers = [2 4 6 9 27];
 4   myMap = XXX fold XXX;
 5 in
 6 rec {
 7   #your map should create the same result as the standard map function
 8   example = map (x: builtins.div x 2) listOfNumbers;
 9   result = myMap (x: builtins.div x 2) listOfNumbers;
10 }
11
```

reset | solution | run

```
with import <nixpkgs> { };
let
  listOfNumbers = [2 4 6 9 27];
  myMap = op: list: lib.fold (x: y: [(op x)] ++ y) [] list;
in
rec {
  #your map should create the same result as the standard map function
  example = map (x: builtins.div x 2) listOfNumbers;
  result = myMap (x: builtins.div x 2) listOfNumbers;
}
```