List of Functions

Map = applies function to each element of literable and creates a list of the results

Example: floorAll [5.7, 9.0, 2.3] ~> [5, 9, 2]. = floors of all elements of a list

Filter = runs through each element of iterable (any iterable object such as a List or another collection) It applies function to each element of iterableIf function returns True for that element then the element is put into a List

Type of Filter is **Bool.**

Example: allOdds [4, 1, 3, 2] -> [1, 3]

Reduce = will apply function to each element in iterable along with the sum so far and create a cumulative sum of the results function must take two parameters If initializer is provided, initializer will stand as the first argument in the sum

Example: **1 2 3 4 5 6 7 nums = [1, 2, 3, 4, 5, 6, 7, 8]**  
nums = list(reduce(lambda x, y : (x, y), nums))Print(nums) #(((((((1, 2), 3), 4), 5), 6), 7), 8)