Part 1

"people").

- The goal is to write tail-recursive functions 1) that filters
 the list 'filterList'. As a result of the first function a list with
 elements that satisfy predicate should be returned.
 In example:
 filterList(List("Hello", "there", "people"), _.contains('I'))
 would return list with two elements contains List("Hello",
 - 2) the goal is to write the function that inverts the order of the elements in the list (produces another list).

PART 2: SIMPLE CLASS FOR BOOKKEEPING

- The goal is to write few classes that would allow us to do personal accounting: the Bookkeeping, Expense and Income
- Expense should contain the amount and description,
- Income should be largely the same but would also contain date
 - Above two classes have to be "functional"
 - They should have a method converting them to string of the form:

```
+number - - - "description"
-number - - - "description" with quotes
```

• The object of class Bookkeeping should allow to add objects of both, Expense, and Income (they need to be kept separate internally)

```
val bk = new Bookkeeping()
bk -= Expense(20, "lunch")
bk -= Expense(200, "jacket")
bk += Income(1000, "subsistence", "10 December")
....
```

- There should be methods in Bookkeeping to print all expenses & incomes as well as obtain the balance = sum of incomes sum of expenses
- There are 2 points to win for Expense/Income classes with all required functionality, and 2 points for the class Bookkeeping