COLLECTION PROCESSING BY `REDUCE`

POETRY OF PROGRAMMING – CLOJURE ASSIGNMENTS

Check: `reduce`, `map`, `filter`, `remove`

Reducing is a fundamental operation, since it can easily do what other collection processing higher-order functions can do. Imagine, that the often used functions `map`, `filter` and `remove` were not available, but we had `reduce`. The task here is to re-implement `map`, `filter`, and `remove`, i.e. to write functions `my-map`, `my-filter`, `my-remove` with the help of `reduce`.

This involves writing suitable reducing functions (functions with two arguments, first is the result so far, second is the next item).

Note that the reimplementations need not be lazy and they can return any sequential collection.