COMP 333
Fall 2021

List Routines in Functional Programming

For all of these questions you have an input array named `arr`, and you need to call a function on it to return an output array corresponding to whatever the question is asking.

1.) Extract all the elements which are even (hint: use `filter`).

2.) Produce a new array, where each element is the result of a corresponding element in `arr` + 7 (hint: use `map`).

3.) Produce the smallest element in `arr`. You may assume that no element is greater than 0 (hint: use `reduce`).

4.) Find the sum of all the odd elements in `arr`. The sum of an empty array is 0. (hint: use `filter` and `reduce`).