

Quiz 1

Question

Write a method `public static E[] walkThroughList(PositionList<E> list, int[] steps)` which returns an array of elements in `list` by taking `steps[0]` steps to the right of the first position, adding the element at that position to the array, then taking `steps[1]` steps to the right of the current position, adding the element at that position to the array, and so on.

You may assume all steps will keep you within bounds.

Example: If the list contains

$$\{a, b, c, d, e, f, g, h, i, j\}$$

and `steps` is `[3, 2, 0]`, then

$$\text{walkThroughList}(\text{list}, \text{steps}) \rightarrow [d, f, f]$$

Bonus (1 point): Allow `steps` to have negative values, in which case you go backwards.