

ArrayList practice problems

1. Write a method `populateWithIntegers` that takes an `ArrayList<Integer>` and an `int n` as its inputs and populates the `ArrayList` with elements `0, 1, 4, 9, ..., n2`.
2. Write a method `sum` that takes an `ArrayList<Integer>` as its lone input and returns the sum of its elements.
3. Write a method `deleteEveryOther` that takes an `ArrayList` as its input and deletes every other element of the `ArrayList`, starting with the zeroth element.

Example:

If `alist` contains `[0, 1, 2, 3, 4, 8, 10]` then after doing `deleteEveryOther(alist)`, `alist` would contain `[1, 3, 8]`. This one might be trickier than it looks...