

Largest Number

Problem description

Write a function accepting a list of non-negative integers, and returning their largest possible combined number as a string.

For example:

- given [50, 2, 1, 9] it returns "95021" ($9 + 50 + 2 + 1$)
- given [5, 50, 56] it returns "56550" ($56 + 5 + 50$)
- given [420, 42, 423] it returns "42423420" ($42 + 423 + 420$)

Task

Requirement

1. Use Java.
2. Keep track of your work/changes in a Git repository. The commit history is important to show progress/evolution.
3. Prior to the interview provide a link to the repository (in case of a public GitHub one for instance) or a ZIP archive containing a copy of your local repository.

Part 1

Implement the required method.

Part 2

Prove its correctness using testing.