

# C++ Programming

## Char Arrays Homework 2

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*Teaching, Training and Coaching since more than a decade!*

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# Problem #1: Compressing

- Read a string of letters and then compress each group of same letter
  - E.g. if the sub-string is cccc  $\Rightarrow$  c4
  - Use \_ between each group
- Input  $\Rightarrow$  Outputs
  - ccccDDDxxxxxxxxxe  $\Rightarrow$  c4\_D3\_x8\_e1
  - xxxxxxxx  $\Rightarrow$  x8

## Problem #2: Compare strings

- Read 2 strings, then output YES if the first is smaller than or equal to the second. Otherwise, output NO
  - Don't use < operator to compare strings. Use loops
- Input  $\Rightarrow$  Output
  - aaa aaa  $\Rightarrow$  YES
  - aaaaaa aa  $\Rightarrow$  NO
  - abc d  $\Rightarrow$  YES
  - ddddddddddddddd xyz  $\Rightarrow$  YES
  - aaaaaaaaaa za  $\Rightarrow$  YES
  - za aaaaaaaaaa  $\Rightarrow$  NO

## Problem #3: Add 5555

- [illegible]

*“Acquire knowledge and impart it to the people.”*

*“Seek knowledge from the Cradle to the Grave.”*