

C++ Programming

Char Arrays Homework 2

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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 smaller than or equal to second. Otherwise, output NO
 - Don't use < operator to compare strings. Use loops
- Input \Rightarrow Output
 - aaa aaa \Rightarrow YES
 - ^{0 1 2 3 4 5 6}aaaaa aa \Rightarrow NO
 - ¹abc¹d \Rightarrow YES
 - ddddddddddddddd xyz \Rightarrow YES
 - azzzzzzzz ¹za \Rightarrow YES
 - za ¹azzzzzzzz \Rightarrow NO

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Problem #3: Add 5555

- [illegible]

“Acquire knowledge and impart it to the people.”

“Seek knowledge from the Cradle to the Grave.”