Download and Extract

An initial setup of files is provided to you via a shell script: Download potd-q18

Using a terminal, extract the initial files by running the shell script you just downloaded (you will need to navigate to the directory where you saved the file):

```
sh potd-q18.sh
```

Your files for this problem will be in the `potd-q18` directory.

The Problem

Complete the `mergeList` function that accepts two `Node *` (the heads of two linked lists). This function must merge the two linked lists by interleaving their nodes, starting with the first list. If one list is longer than the other, the extra nodes should be left alone (i.e., no interleaving, no truncating). See the example below.

For example:

```
List 1: 0 2 4
List 2: 11 33 55
Merged List: 0 11 2 33 4 55

List 1: 0 2
List 3: 11 33 33 44
Merged List: 0 11 2 33 33 44
```

Like yesterday's problem, this must be done without changing the content or memory location of any of the nodes, and without allocating any news nodes. A `main` function has been provided that exercises your `mergeList` function.

Put your code in `Node.cpp`.

Upload Solution

Drop files here or click to upload.

Only the files listed below will be accepted—others will be ignored.

Files

✅ Node.cpp
uploaded

Show preview ⌄

Save & Grade   Save only

Submitted answer   correct: 100%

Submitted at 2019-02-14 21:18:06 (CST)

ℹ   hide ⌃

Files

✅ Node.cpp
uploaded

Show preview ⌄

Score: 7/7 (100%)

Total points: 1/1

Score: 100%

Question

Value: 1

History: 1

Awarded points: 1/1

Report an error in this question

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Test Results

✓ **[1/1]** Test on two NULLs. ⌄

✓ **[1/1]** Test first list is NULL. ⌄

✓ **[1/1]** Test second list is NULL. ⌄

✓ **[1/1]** Test two singleton lists. ⌄

✓ **[1/1]** Test two larger lists of same length. ⌄

✓ **[1/1]** Test two larger lists with first longer. ⌄

✓ **[1/1]** Test two larger lists with second longer. ⌄