## **Lecture 14**

CPSC 110

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## **Clicker questions**

• The reference rule applies when a list contains **non-primitive data**, i.e. data defined by the user

## **Function composition**

**Function composition rule**: if you're doing at least 2 independent task on a list of items, you must use **function composition** 

- Because the composite functions already test the base cases, we do NOT need the base case in the parent function
  - In today's example, layout-people and sort already test the base cases, so arrangepeople does not need to test them
- Because the composite functions are consuming a list, ListOfPerson, which contains non-primitive data, we can't forget about the **reference rule!** We have to write helper functions.

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