Chapter 8, Strings:

▶ General introduction; string sorting (last week Friday)
▶ Tries (Today)
▶ Other string topics (Wednesday)
   ▶ Regular expressions
   ▶ Huffman encoding
   ▶ Edit distance
   ▶ Grammars and parsing

Today:

▶ Problem statement
▶ Main idea behind tries
▶ Code details:
   ▶ Node class
   ▶ Find
   ▶ Insertion
   ▶ Deletion
Invariant 39. [Class invariant of TrieMap]

(a) For all nodes, the path to that node is a prefix to at least one key in the map.
(b) For all nodes, the node is terminal iff the path to that node is a key in the map.
Coming up:

Do **Perfect Hashing** project (suggested by Wednesday, Apr 27)
Do **Trie** project (by Friday, Apr 29)

Due **Mon, Apr 25** (end of day)
Do Exercises 8.(7, 14, & 20)
Take the last quiz (on Section 8.1) Read Section 8.2