This week (Chapter 2):

- Abstract data types (Monday)
- Data Structures (Wednesday and **today**)
- Programming practices (**today**)
- Linear sorting algorithms (next week Monday and Wednesday)
- Disjoint sets and array forests (next week Friday)

Today:

- “Advanced”/hybrid/abstraction data structures
- Adapter pattern
- Iterators
Why iterators?

- They provide a universal, consistent interface. (Abstraction)
- They do not expose the collection’s internal structure. (Encapsulation)
- They make great problems, exercising your understanding of a data structure, the client code’s interaction with it, and how to process its contents. (Pedagogy)
Coming up:

Due today, Mon, Sept 12: (end of the day)
Read (or finish reading ) Section 2.(2, 4, & 5)
Take data structures quiz

Also:
Do “basic data structures” practice problems (suggested by Wed, Sept 14)
Do “implementing ADTs” project (suggested by Fri, Sept 16)

Due Fri, Sept 16: (class time)
Read Section 3.1
Do Exercises 2.(22–24)
Take sorting quiz