

CS 445

Rec 6

Agenda

1. **Topics of This Week**
 - a. **TreeSet**
 - b. **TreeMap**
2. **Working Session: Lab 5**

Topics of the Week

1. **TreeSet**

- a. Tree -> the underlying data structure (implies “sorted”)
- b. Set -> functionality this container implements
- c. Think of “ArrayList” as an example

2. **TreeMap**

- a. Tree -> the underlying data structure (implies “sorted”)
- b. Map -> {key, value} pairs (implies “mapping”)

3. **Use a Java built-in data structure vs. *implement* a data structure ourselves**

- a. Purpose of Lab 5 and Project 5

Lab 5

You write these:

- **loadSet()**
- **printSet()**
- **union()**
- **intersection()**
- **difference()**
- **xor()**

Purpose:

Understanding TreeSet<T>

- **Know how to define & use like you would with an ArrayList**

Make use of the API

- **Pay attention to the methods highlighted in lecture**