Outline for November 18, 2024

Reading: *text*, §13, 14   **Due:** Homework 4, due November 25, 2024

1. What is XML?
   (a) Tree structure
   (b) Elements, tags, attributes, attribute values
   (c) Example: *sample1.xml*

2. Python and XML [*basic-xml.py*, *basic-xml2.py*]
   (a) `xml.etree.ElementTree`
   (b) Parsing the tree from file input (`ET.parse()`), from a string (`ET.fromstring()`)
   (c) Referring to elements
   (d) Accessing tag names, attributes
   (e) Finding nodes in the tree
   (f) Dumping, writing the tree
   (g) Removing an element and its descendants
   (h) Changing an element's attribute
   (i) Setting attributes

3. Prettyprinting XML [*xmlpp.py*, *xmlpp-full.py*]