

Outline for November 22, 2021

Reading: §13

Assignments: Homework 4, due November 22, 2021

1. Python and XML [*basic-xml.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
2. Another example [*basic-xml2.py*]
3. Example: prettyprinting XML [*xmlpp.py*]
4. Classes and objects [*cards.py, war.py*]
 - (a) User-defined types (classes)
 - (b) Instantiate (create) new object (`--init--`)
 - (c) Objects and attributes
 - (d) Objects and methods
 - (e) Printing objects (`--str--`)