Outline for November 7, 2023

Reading: §14, 12, 13 Assignments: Homework 3, due November 9, 2023

- 1. Useful abbreviations in patterns
 - (a) \d matches any digit; same as [0-9]
 - (b) \s matches any space character; same as $[\t \n\r\f\v]$
 - (c) \w matches any alphanumeric character and underscore; same as [a-zA-Z0-9_]
 - (d) \D matches any character except a digit; inverse of \d
 - (e) \S matches any character *except* a space character; inverse of \s
 - (f) $\$ matches any character *except* an alphanumeric character or underscore; inverse of $\$
 - (g) \b matches a word boundary a word is a sequence of alphanumeric characters
- 2. "Raw" string notation: backslash not handled specially; put "r" before string
- 3. Example of floating imprecision [roundoff.py]
- 4. Character/integer conversions [chr.py, ord.py]
 - (a) Cæsar cipher (shift cipher) [caesarenc.py, caesardec.py]
- 5. Reading a URL [geturl.py, geturl2.py, geturl3.py]
 - (a) Opening a URL
 - (b) Reading the page as a string
 - (c) The role of decode() [geturl-nd.py]
- 6. A program to print links in web pages [urlpat.py, urlpat2.py]