

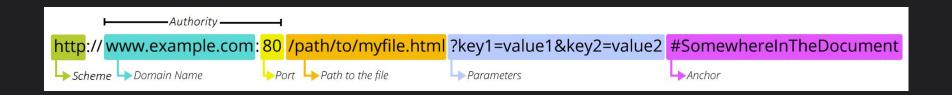
URLs

CS 272 Software Development

Terminology

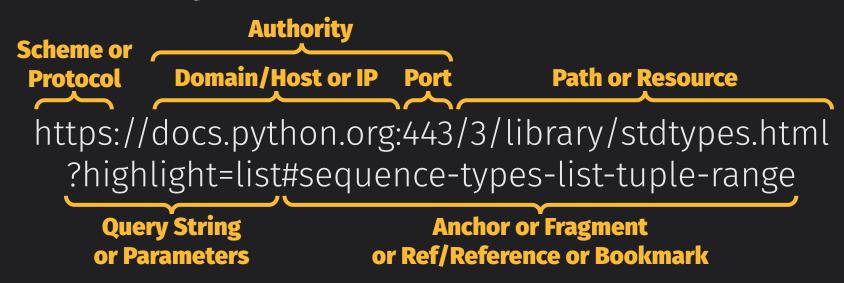
- Uniform Resource Locator (URL)
 - Identifies web pages and other resources
- Hypertext Transport Protocol (HTTP)
 - Transfers web pages from server to client (browser)
- Hypertext Markup Language (HTML)
 - Creates web pages (parsed/displayed by browser)

URL Components



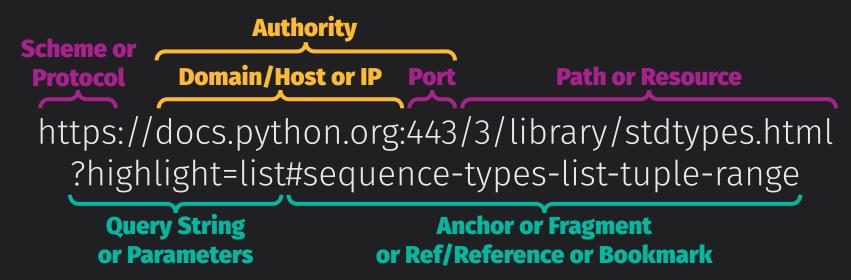
https://developer.mozilla.org/en-US/docs/Learn/Common questions/What is a URL

URL Components



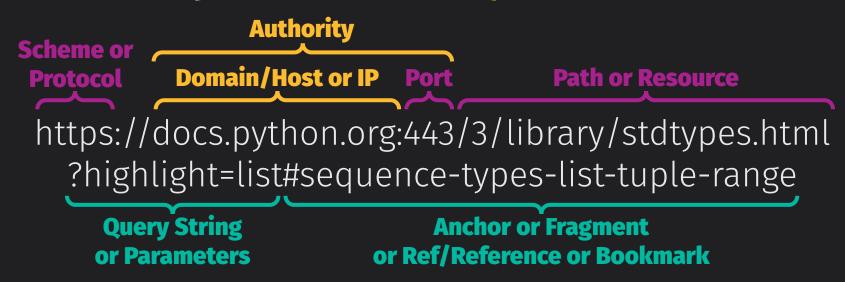


URL Components - Defaults



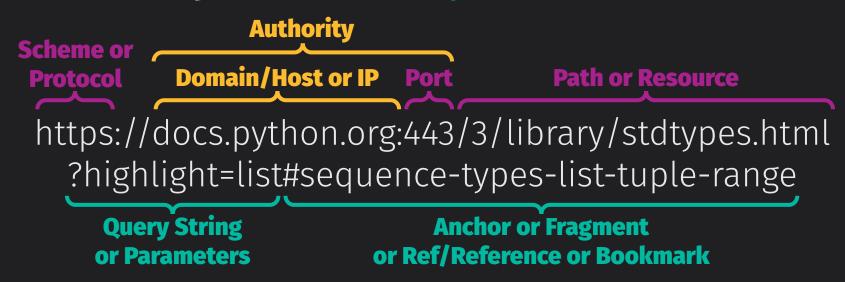


URL Components - Required





URL Components - Optional





Uniform Resource Locator (URL)

- Required Components
 - Scheme or protocol ://
 - Authority (domain/IP/port)
 - Path to resource (default to / if missing)

- Optional Components
 - ? Query string/parameters
 - # Anchor/fragment/ref
- Absolute vs Relative Form
 (use of / .. similar to paths)

Domain vs IP Address

nslookup www.cs.usfca.edu

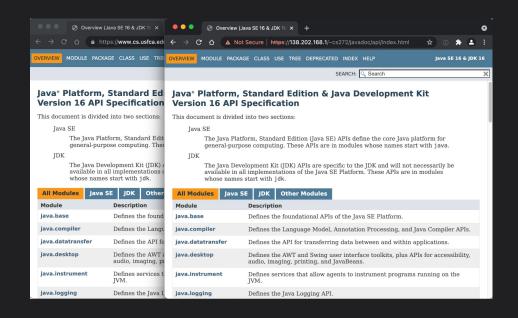
Server: 8.8.8.8

Address: 8.8.8.8#53

Non-authoritative answer:

Name: www.cs.usfca.edu

Address: 138.202.168.1



https://www.cs.usfca.edu/~cs272/javadoc/api/index.html • https://138.202.168.1/~cs272/javadoc/api/index.html

Department of Computer Science https://www.cs.usfca.edu/

Questions?