ENSF381 – Lab1

**Section:** L02

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# 2.7.1

Opening an HTML file using live server vs opening the file gives two different addresses, as a local server is used from the extension while a file path address is used when directly opening the file in directory.

When we use live server, the page’s changes and updates are all instant, and you can see the dynamic changes as it happens. The address bar will include the special numbers of the designated server, port number and/or path or query parameters then the file name used.

When we open the HTML file directly from the folder it is located in, the changes made are static until you refresh after making changes and updates. In the address bar, we can see the path name including their respective folders as well as where it is in your respective directory.

# 3.1.a

URL vs URI –

URL is a specific type of URI, which is used as a form of access to a resource, such as a domain, location or path. In general, a web address for locating a path to the required resource. It may include query’s, directions via key terms in the address. This can be used to locate any resource on the internet.

URI on the other hand, which is a general term that includes URL within it are unique identifiers that belong to resources regardless of method. It can be used to find a resource anywhere.

# 3.1.b

The scheme is https, the host/domain would be auth.example.com, the path is /site1, and the query parameters would be name=Alex and num=123.

# 3.2.a

The relationship between IP and web address is that a domain name is assigned to a specific IP or a multitude of IP addresses.

# 3.2.b

The IP address of ucalgary.ca is **136.159.96.125**

# 3.2.c

The number of domains shown on the ucalgary.ca ‘s IP are 263 via [AS33091 University of Calgary details - IPinfo.io](https://ipinfo.io/AS33091)

# 4.1

HTML which is Hypertext Markup Language marks normal text created for documents in a presentive way. It gives structure within the content, leading it to be viewed as a webpage. HTTP on the other hand, which is Hypertext Transfer Protocol is like a set of rules for enabling the transfer between resources such as text images videos etc. More like the retrieval of files requesting the server to display and host a web page of some sort.

# 4.2

All information were referenced from the following page [Global Desktop Browser Market Share (kinsta.com)](https://kinsta.com/browser-market-share/#:~:text=Global%20Desktop%20Browser%20Market%20Share%20%20%20Browser,%20%205.83%25%20%206%20more%20rows%20)

Google Chrome – 77.03%

Safari - 8.87%

Firefox – 7.69%

Microsoft Edge – 5.83%

Internet Explorer 2.15%

Opera 2.43%

QQ – 1.98%

Sogou Explorer – 1.76%

Yandex – 0.91%

Brave 0.05%

# 5.8.1

[Place for your answer]

# 5.8.2

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