* What is HTTP?

Hypertext Transfer Protocol- protocol to fetch specific resources.

* What is a URL?

UniformResourceLocator- a line of letters and symbols describe the location of a specific html.

* What is DNS?

Domain Name System- like the phonebook of the internet.

* What is a query string?

Part of the URL that specify location within assigned parameters.

* What are two HTTP verbs and how are they different?

GET – retrieving information from the specific URL addressed without making any changes.

POST – Sending Data into the specific URL with permission.

* What is an HTTP request?

Request from the user to the server to retrieve a specific information.

* What is an HTTP response?

Response of the server to the user about a specific files or URL.

* What is an HTTP header? Give a couple examples of request and response headers you have seen.

A way for the user to specify and what type of information he want to see.

Request =

* + Accept-language
  + Accept

Response=

* + Content-type
* What are the processes that happen when you type “<http://somesite.com/some/page.html>” into a browser?

The browser translate the URL into an IP address and and make a request from the server to locate the specific file, the server respond by sending the browser the information in that specific file, the browser translate that specific file into a web page with all the files attached to it (like CSS, JS, IMG, etc.), then the browser showing the user how it looks like.

## Part Two: Practice Tools

1. Using ***curl***, make a ***GET*** request to the *icanhazdadjoke.com* API to find all jokes involving the word “pirate”

Curl https://icanhazdadjoke.com/search?term=pirate

1. Use ***dig*** to find what the IP address is for *icanhazdadjoke.com*

icanhazdadjoke.com. 109 IN A 172.67.211.64

icanhazdadjoke.com. 109 IN A 104.21.37.176

3. Make a simple web page and serve it using ***python3 -m http.server***. Visit the page in a browser.

Localhost:8000