// question #1

What is HTTP?

* Hypertext Transfer Protocol, this is standard web and its how browsers and servers communicate.

// question #2

What is a URL?

* It is the mechanism used by browsers to retrieve any published resource on the web. URL stands for Uniform Resource Locator.

// question #3

What is DNS?

* The Domin Name System is the phonebook of the internet. We can access information online through domain names, like google.com.

// question #4

What is a query string?

* Query String provides “extra information” – search terms, info from forms etc. (?x=1).

// question #5

What are two HTTP verbs and how are they different?

* GET🡪 Is a request without side effects.
* POST🡪 Is a request with side effects.

// question #6

What is an HTTP request?

* This happens when you point your browser to a webpage on a server. This is a request, and this is almost always a GET request which contains the exact URL you want.

// question #7

What is an HTTP response?

* A response will output a status code (200,404,301,500)
* Headers
* Date/time the server thinks it is
* Any cookies server wants to set

// question #8

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

* Content Type (typically text/html for web pages).
* Date/time the server thinks it is.
* Any cookies server wants to set.
* Any catching information.

// question #9

What are the processes that happen when you type “[http://somesite.com/some/page.html”](http://somesite.com/some/page.html%E2%80%9D) into a browser?

* Your browser “resolves” the name into an IP address using DNS
* Your browser makes a request to that IP address, including headers (info about browser, any previous cookies, and other things)
* The server sends a response (typically, HTML, with a status code (200 if it was sucessful)
* The browser makes a DOM from that HTML, and finds any other resources needed (images, CSS, JavaScript, etc)
* The browser makes separate HTTP requests for those resources and receives response from the server for each