

# JAVASCRIPT

## Task 1

### 1. Difference between HTTP1.1 vs HTTP2

- HTTP2 can send multiple requests in parallel over a single TCP connection, where HTTP1.1 can request one at a time over a single TCP connection
- HTTP2 uses Binary Commands, while HTTP1.1 uses Text Commands
- Server Push is available in HTTP2, where it's not present in HTTP1.1
- HTTP2 is faster than HTTP1.1

### 2. HTTP Version History

- HTTP 0.9 - 1991
- HTTP 1.0 - 1996
- HTTP 1.1 - 1997
- HTTP 2.0 - 2015

### 3. List 5 differences between Browser JS vs Node JS

- Browser JS is used for front end, while Node JS is used for backend
- In Browser Js, web page is executed in a browser, where in Node Js it is executed outside the browser
- Node JS has full access to the File System, while Browser JS is sandboxed
- Browser JS runs any Engine, while Node JS runs in a V8 engine which is mainly used by Google Chrome
- Node JS is headless without any User Interface, while Browser JS is not

### 4. What happens when you type a URL in the address bar in the Browser?

- When we type a URL, the browser initiates a request for the Corresponding IP address
- The IP addresses are stored in Domain Name Server (DNS) for the corresponding host names
- On request by the client (Browser), the server looks for the webpage and sends back to the client as a response