

## Assignment → Inception

### ① Async vs Defer?

Ans: Async and Defer are boolean attributes used along with script tags to load the external scripts efficiently into our web page.

⇒ When you load a page, two major things happen:

- ① HTML Parsing      ② loading of scripts

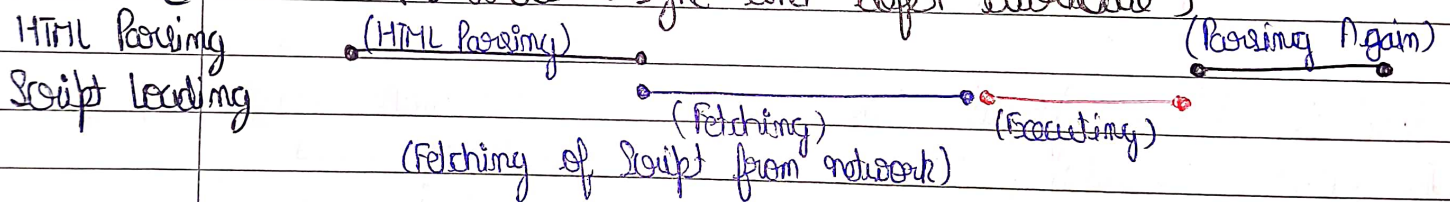
↳ It happens in 2 phases:

Phase 1: Fetching the script from the network.

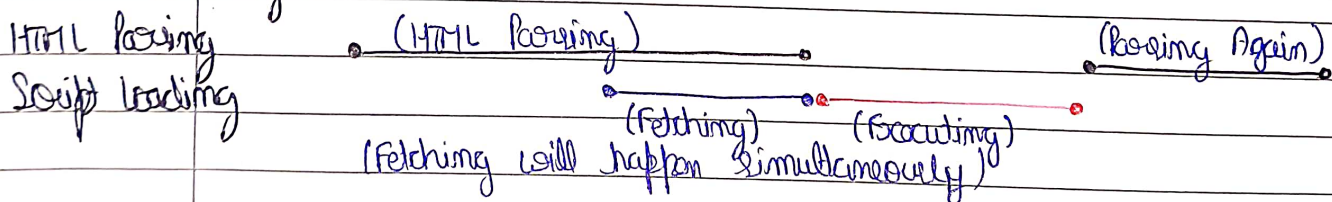
Phase 2: Executing script line-by-line

Now, we'll see 3 scenarios

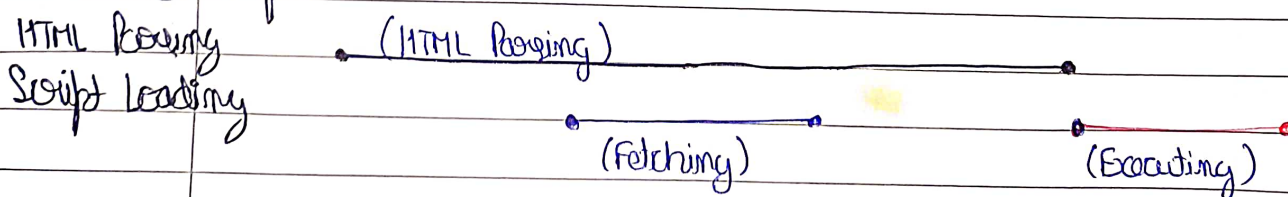
#### ① Normal (without async and defer attribute)



#### ② Async



#### ③ Defer



↳ \* Async Attribute does not guarantee the execution of script because defer attribute maintains the execution of script.

② Diff b/w React and ReactDOM?

Ans: React → it's a library used for building UI  
ReactDOM → it is basically used to render UI into the actual DOM.

③ Library vs Framework?

Ans: Library : is a set of files that contains predefined functions or methods which you can use ~~to~~ it anywhere in your code or inject it.

• Framework : it is a software/application that is used to build particular type of application.

④ Crossorigin attribute in script tag?

Ans: The ~~cross~~-origin is a request for a resource (eg style sheets, iframe, scripts, etc.) from other domain.