INTRODUCTION TO JAVASCRIPT

By CodeWithHarry

WHAT IS JAVASCRIPT?

DOM → Html
style
body → nav
→ div
→ sec

nav > UL > Li

ajax

arrays → 1, 2, 7, 9.

Logic

button → form submit

- ✓ JavaScript is a client side scripting language
- ✓ It is used to make web pages alive. ✓
- ✓ It is used to programmatically perform actions within the page. ✓
- ✓ When JavaScript was created, it was initially called "LiveScript". ✓
- ✓ But Java was a very popular language at that time, so it was decided that positioning a language as a "younger brother" of Java would help.

WHAT CAN JAVASCRIPT DO?

Node JS   ① ②

1. JavaScript can execute not only in the browser, but also on the server.

2. We will use JavaScript as a client as well as server side language.

3. JavaScript has evolved greatly as a language and is now used to perform wide variety of tasks.
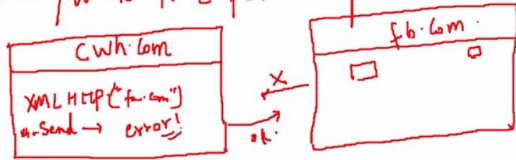
WHAT CAN IN-BROWSER JAVASCRIPT DO?

Java Script → *Safe* *Low level CPU*   *JS* → (*Browser*) → *executes*

① Add new HTML and change existing HTML from DOM

② React to events → response from server
   → key press
   → Mouse movement

③ Ajax requests

④ Get & set cookies & use localStorage.

WHAT CAN'T IN-BROWSER JAVASCRIPT DO?

① Read/Write to & from Computer Hard disk
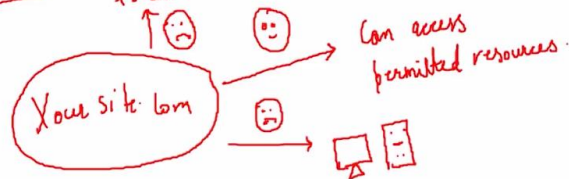
②
```
cwh.com
XML HTTP("fb.com")
...Send → error!
```
```
fb.com
```
X → ok

Same Origin Policy

Gmail.com
fb.com

↑ 😟 😊 → Can access permitted resources.

③ Summary → Your site.com 😟 → 🖥️ 📄

What makes JavaScript Unique?

→ HTML/CSS Support

→ Simple things → Simple API

→ Major Modern browsers. Enabled by default

JavaScript Versions

JS created in 1995

→ Maintained by Community

→ ECMA → 1997

1 → 1997
2 → 1998
3 → 1999
⋮
ECMA 2015
16
17
18
19