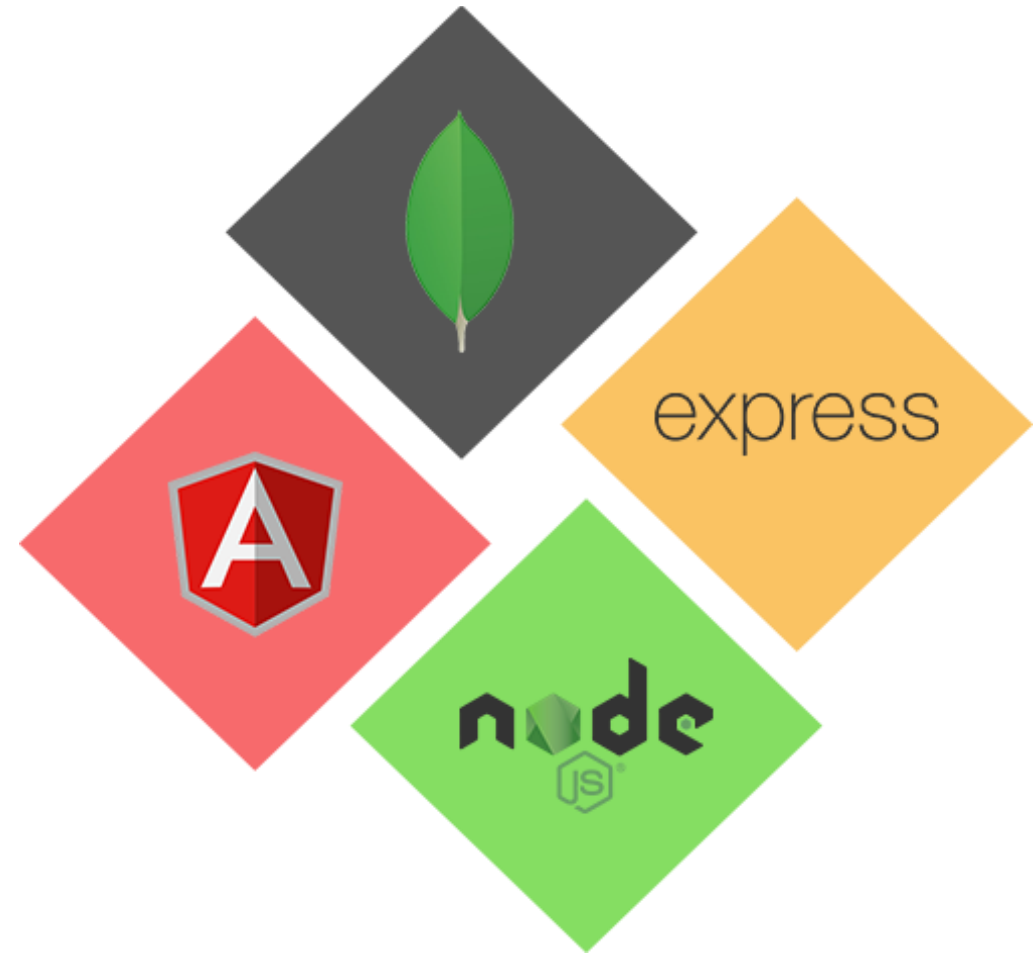


MEAN-STACK COURSE

Heba Sabri



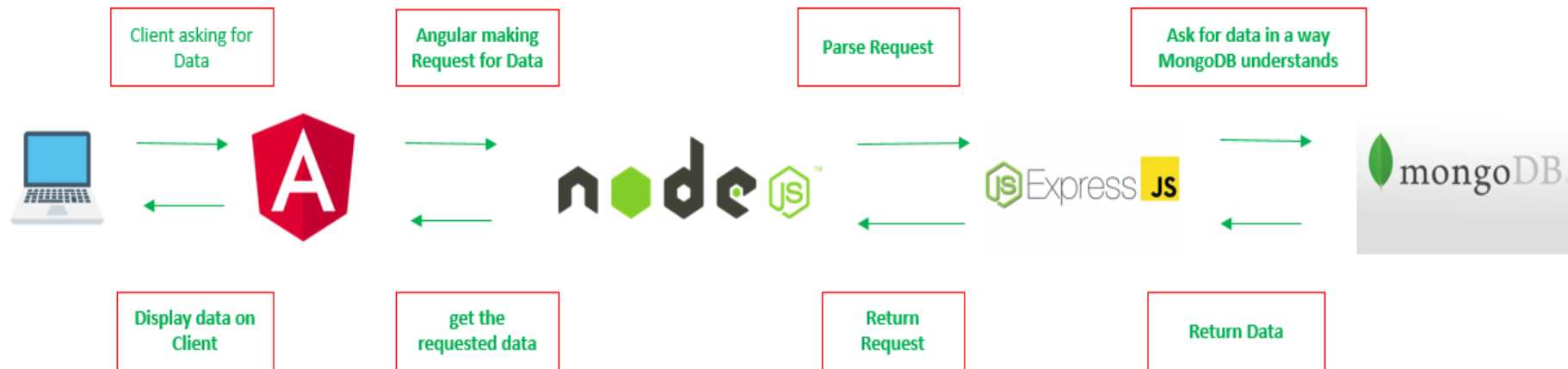
INTRODUCTION

- MEAN Stack is one of the most popular Technology Stack. It is used to develop a Full Stack Web Application. Although it is a Stack of different technologies, all of these are based on JavaScript language.



INTRODUCTION

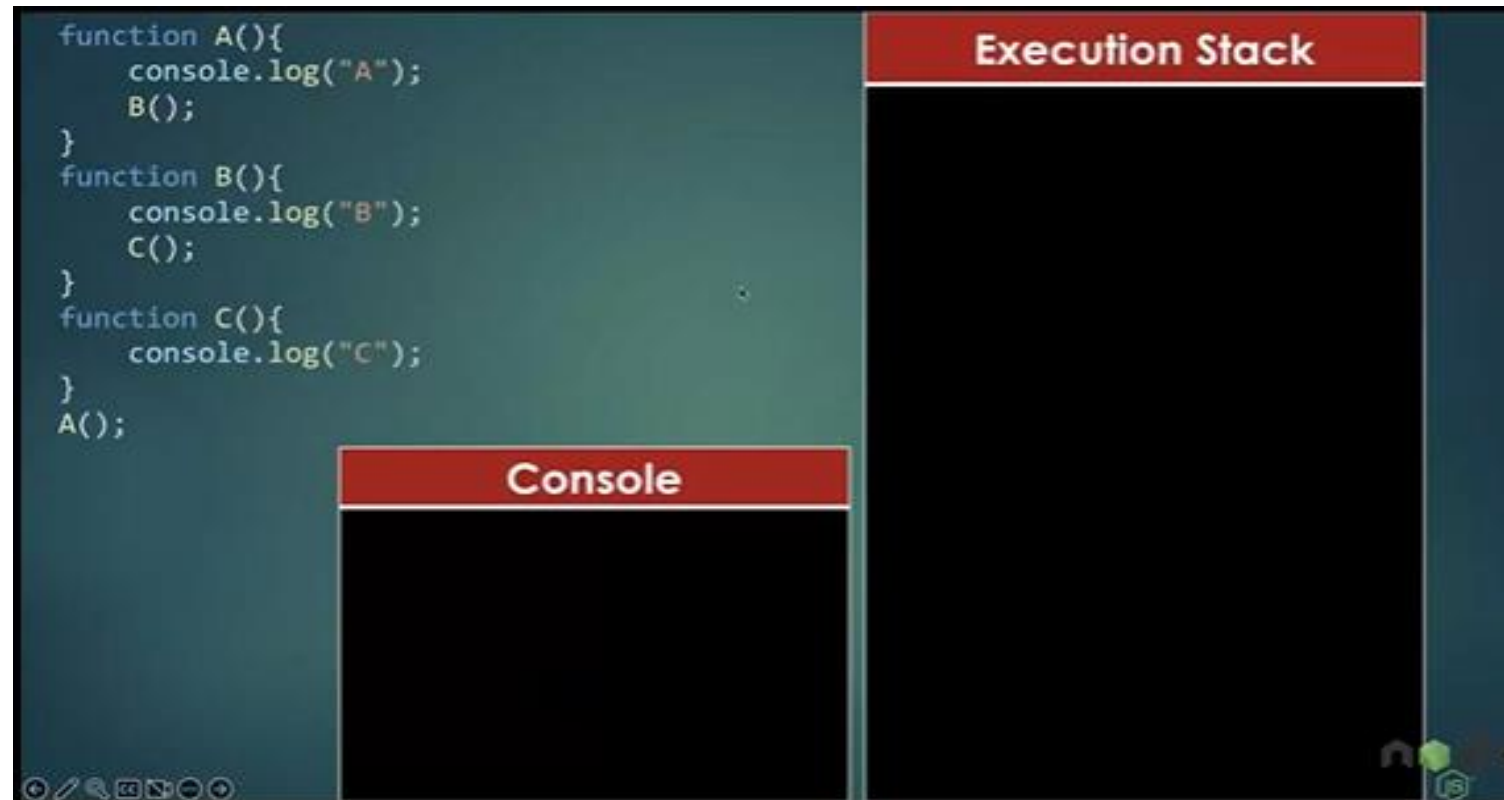
- Each module communicates with the others in order to have a flow of the data from Server/Backend to Client/Frontend.



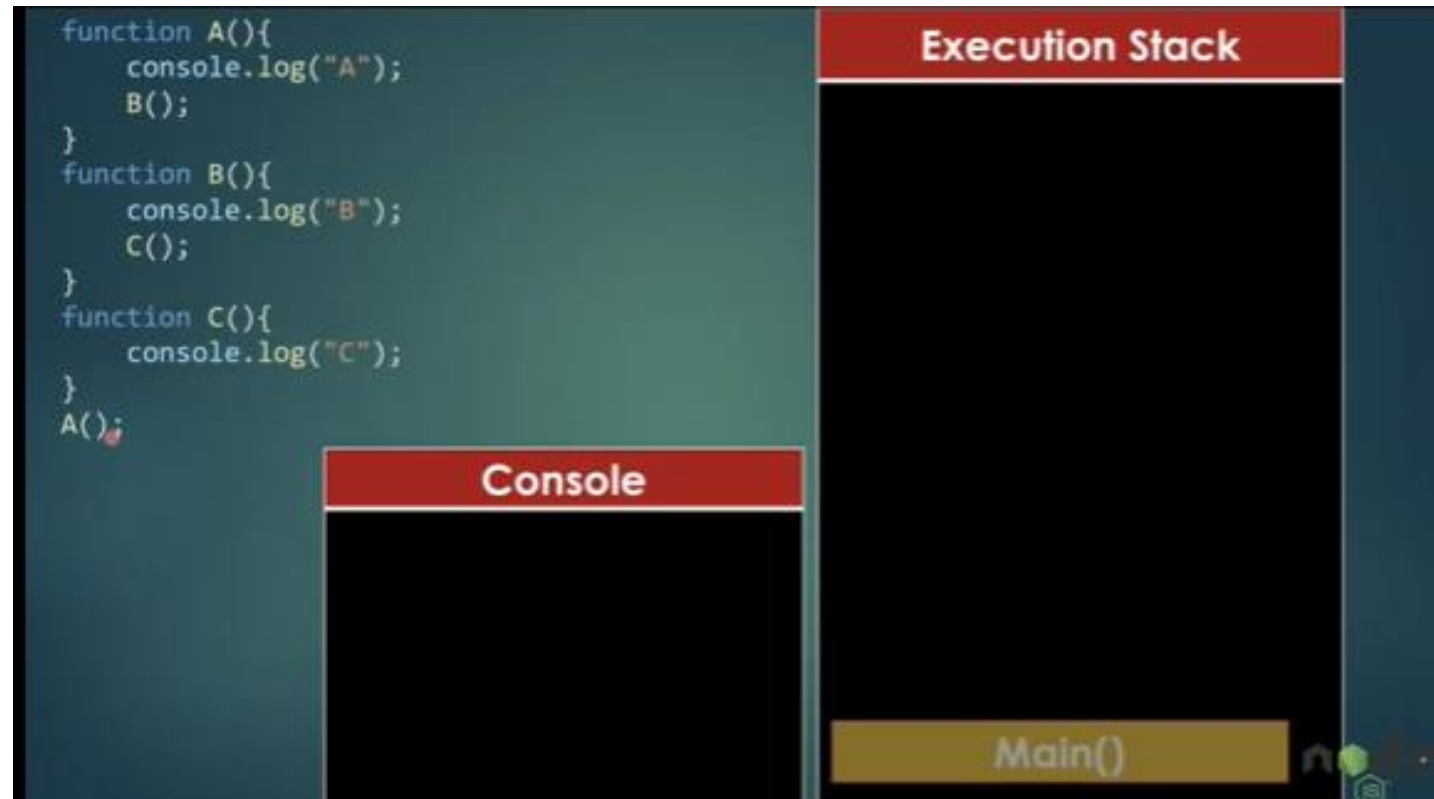
HOW JAVASCRIPT WORKS?

- Hoisting
- Scope and self-invoked in functions
- Closures
- Synchronous and Asynchronous programming

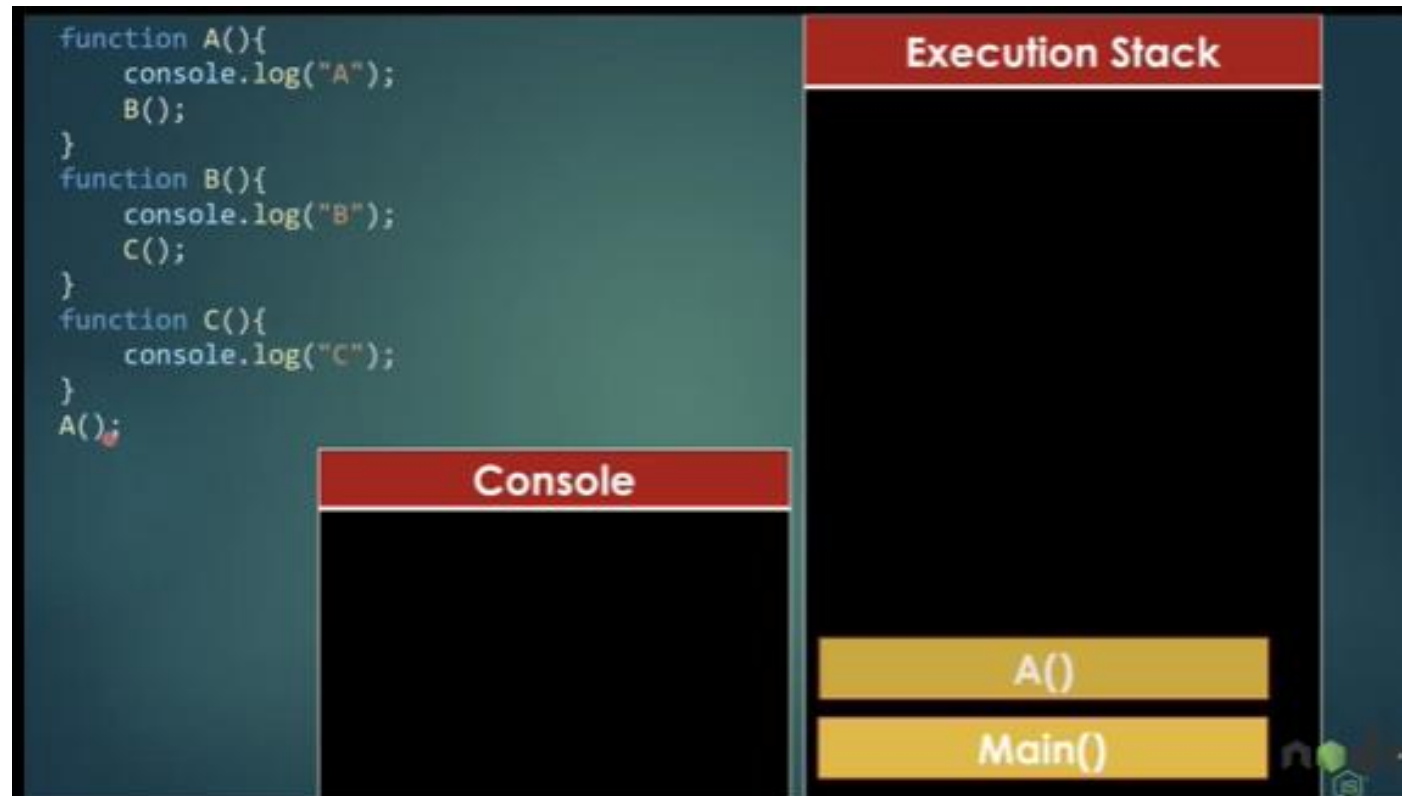
BEHIND JAVASCRIPT



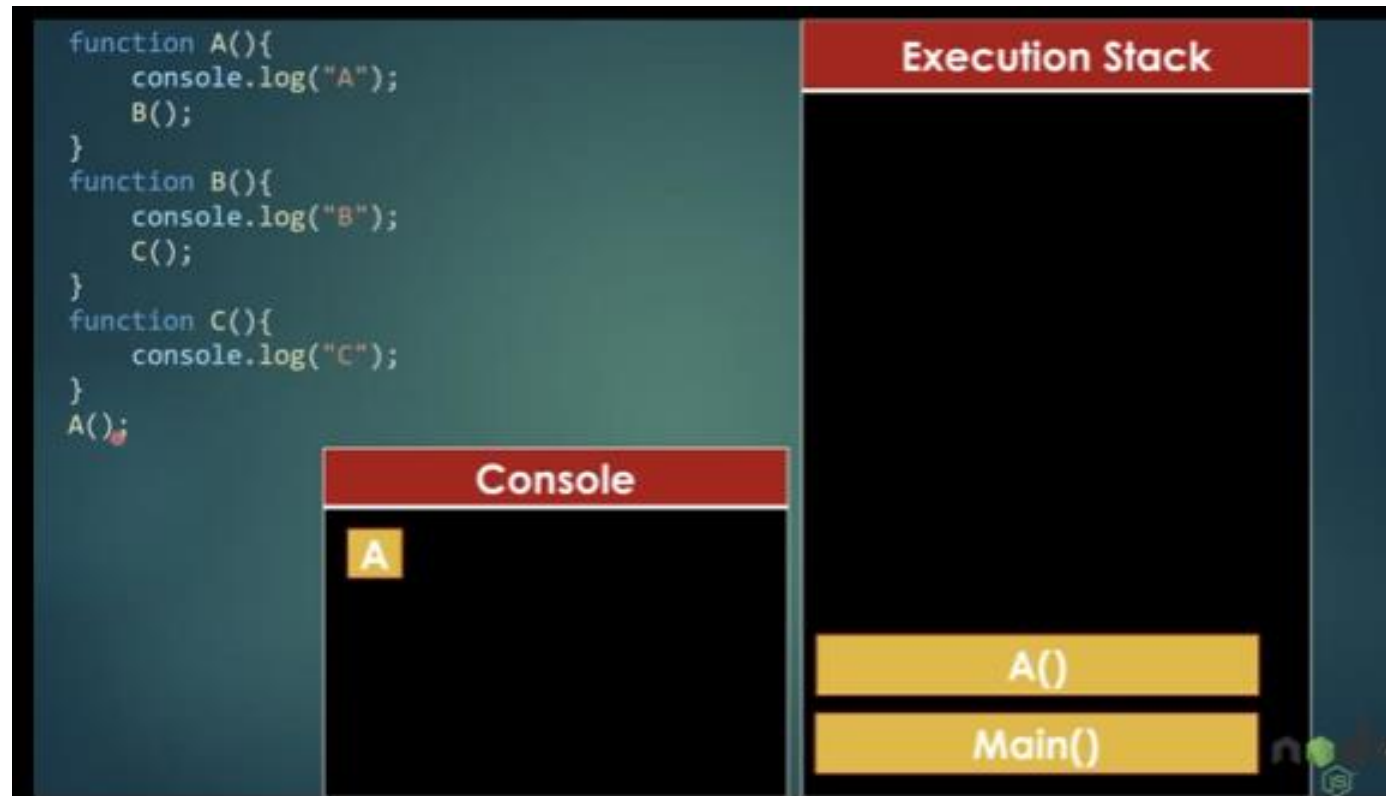
BEHIND JAVASCRIPT



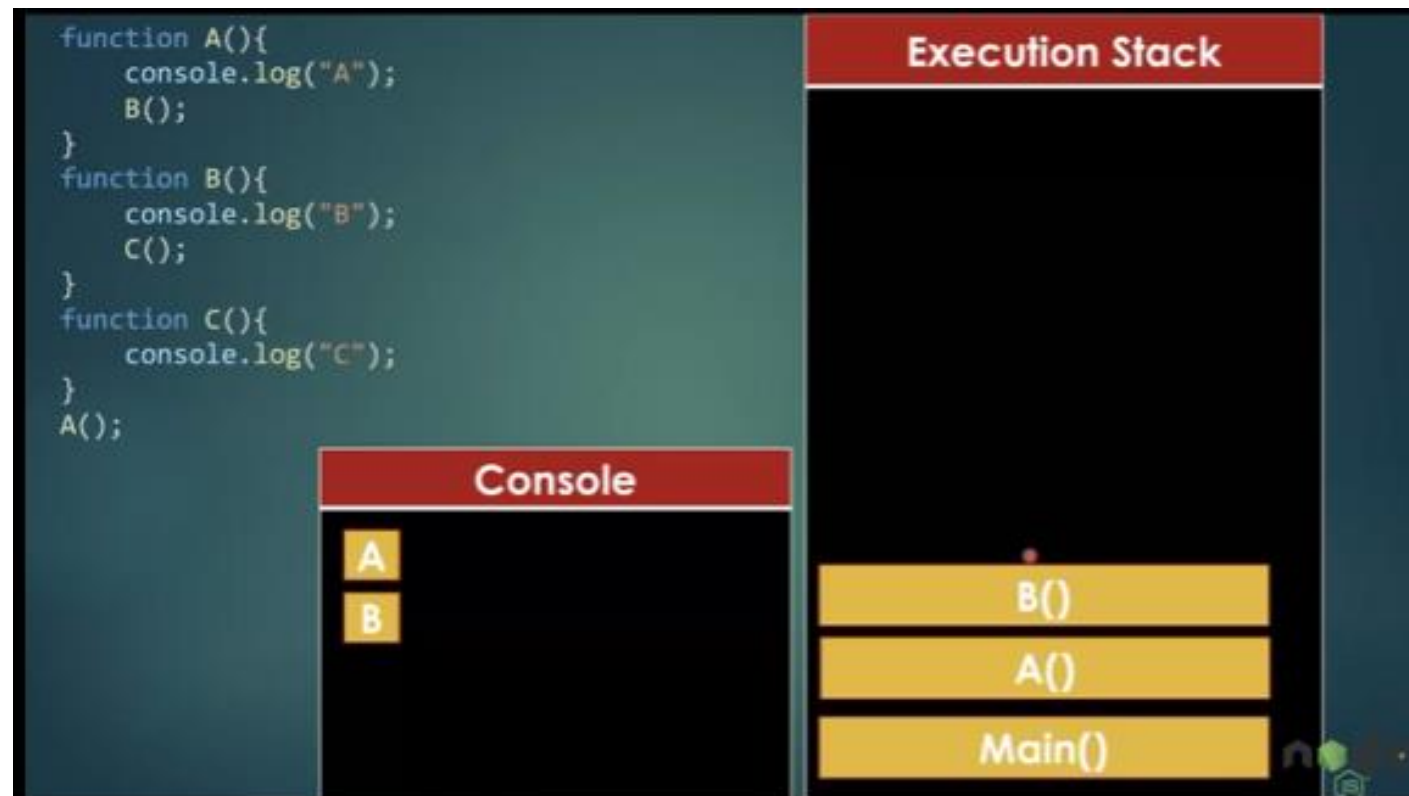
BEHIND JAVASCRIPT



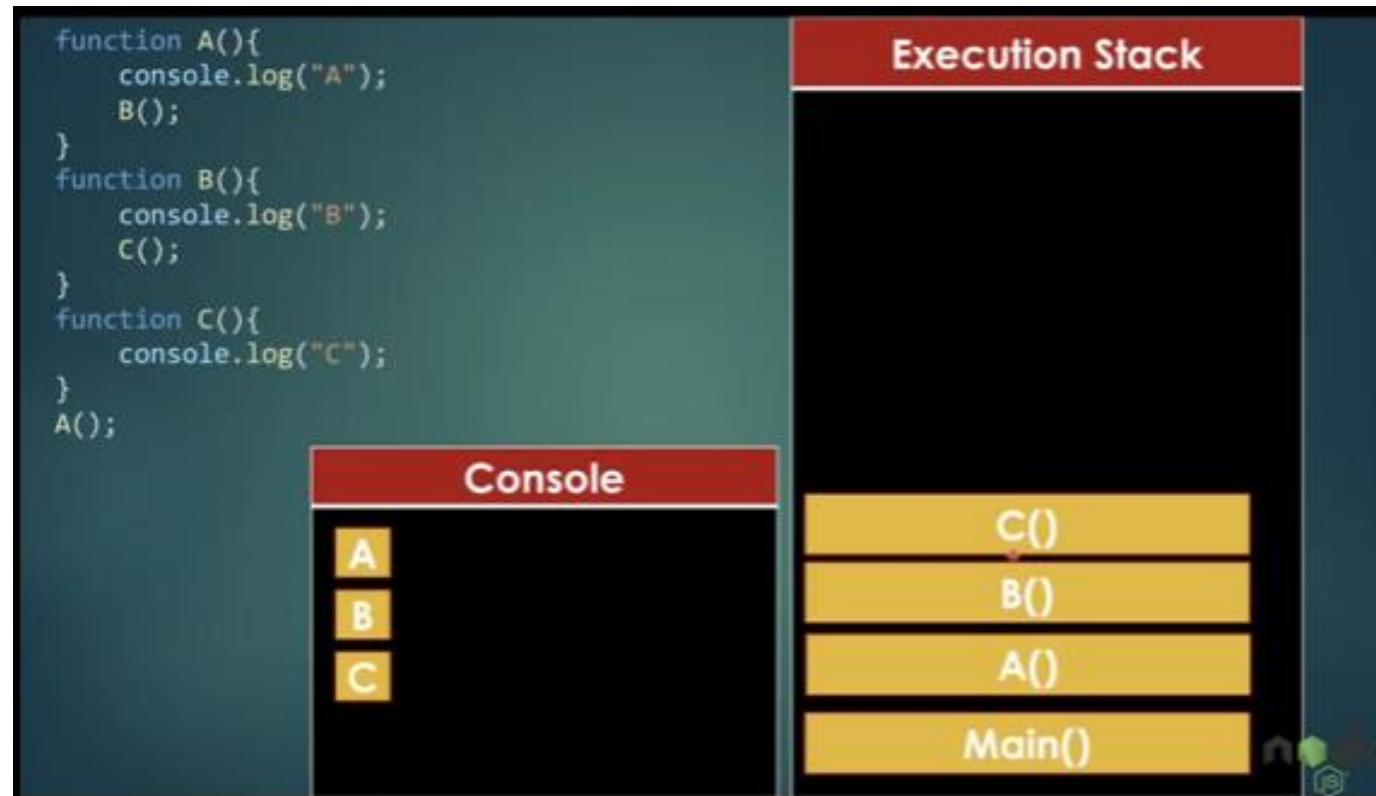
BEHIND JAVASCRIPT



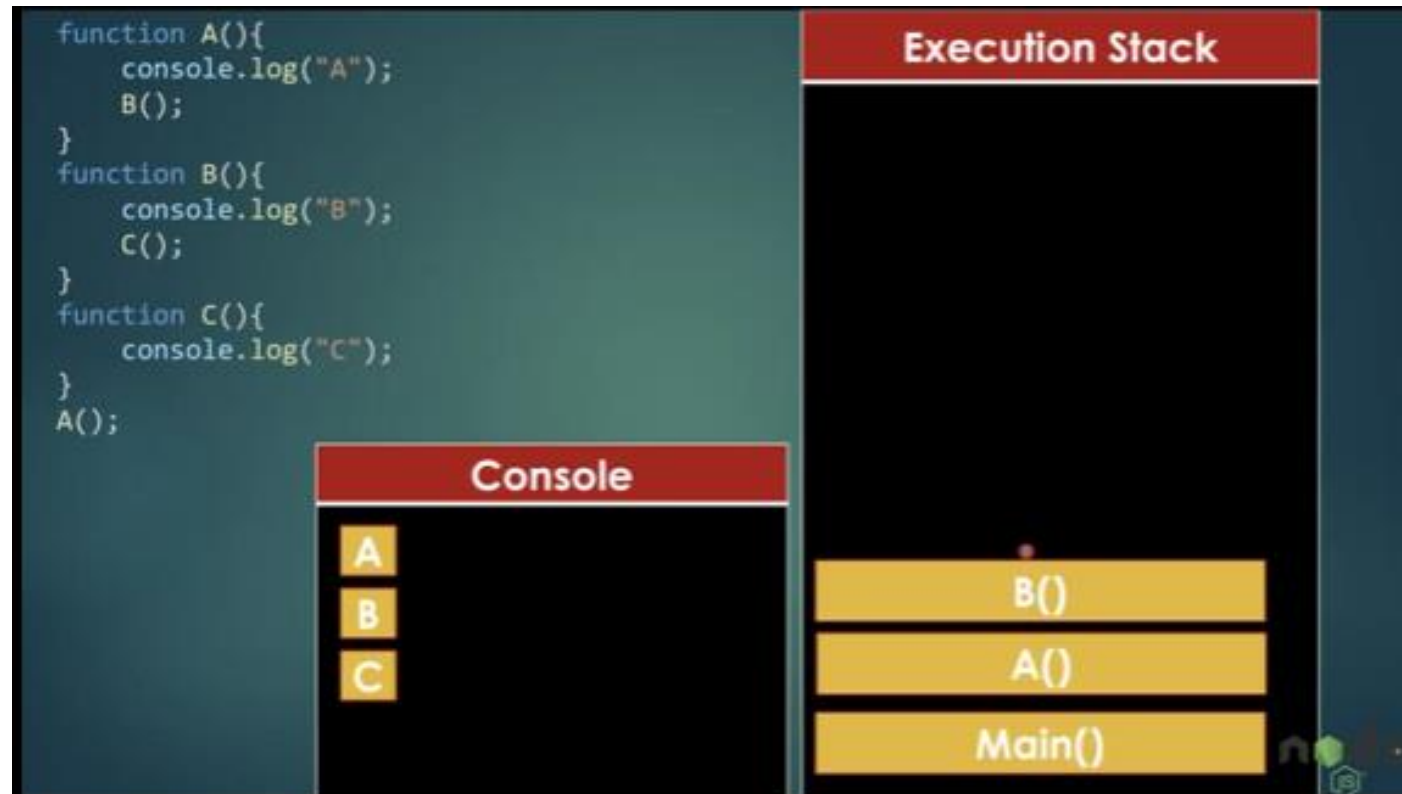
BEHIND JAVASCRIPT



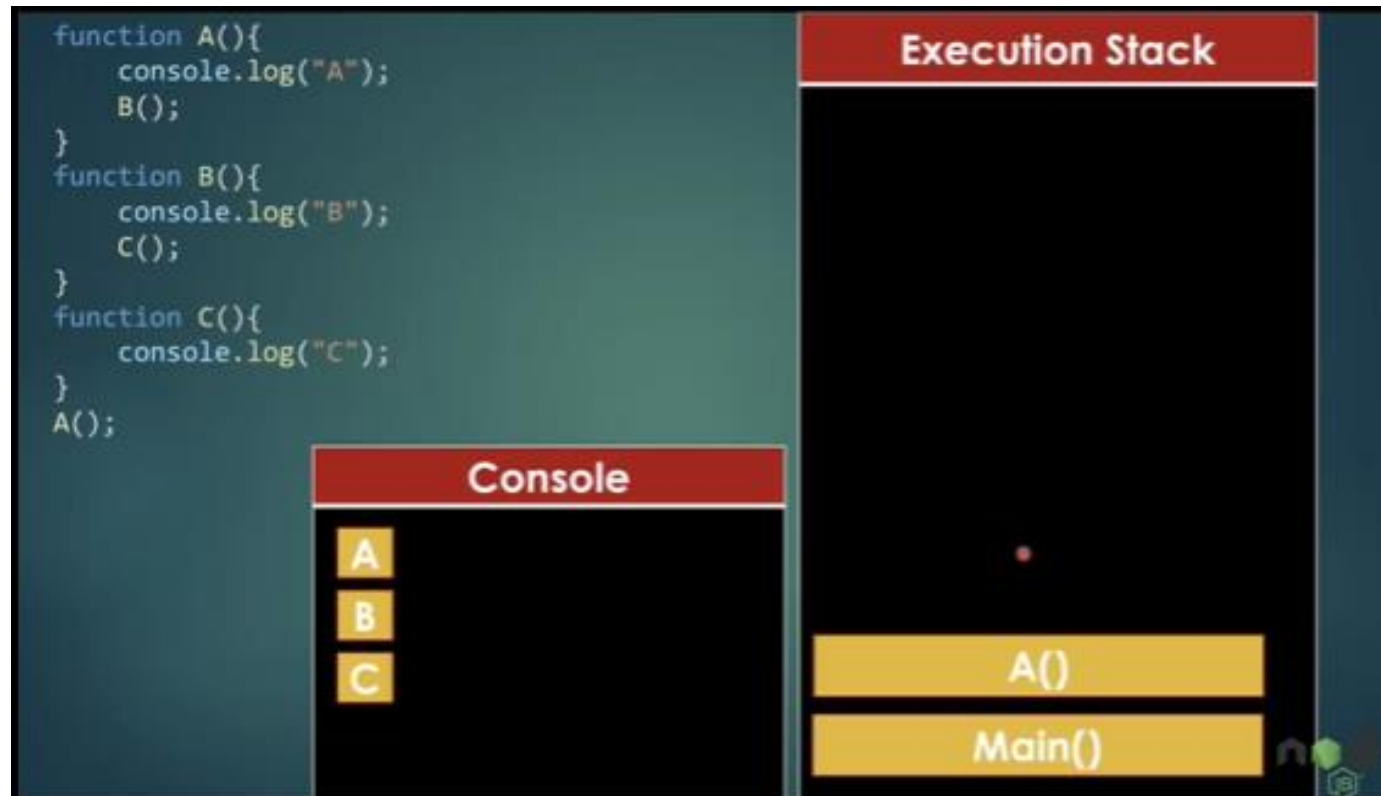
BEHIND JAVASCRIPT



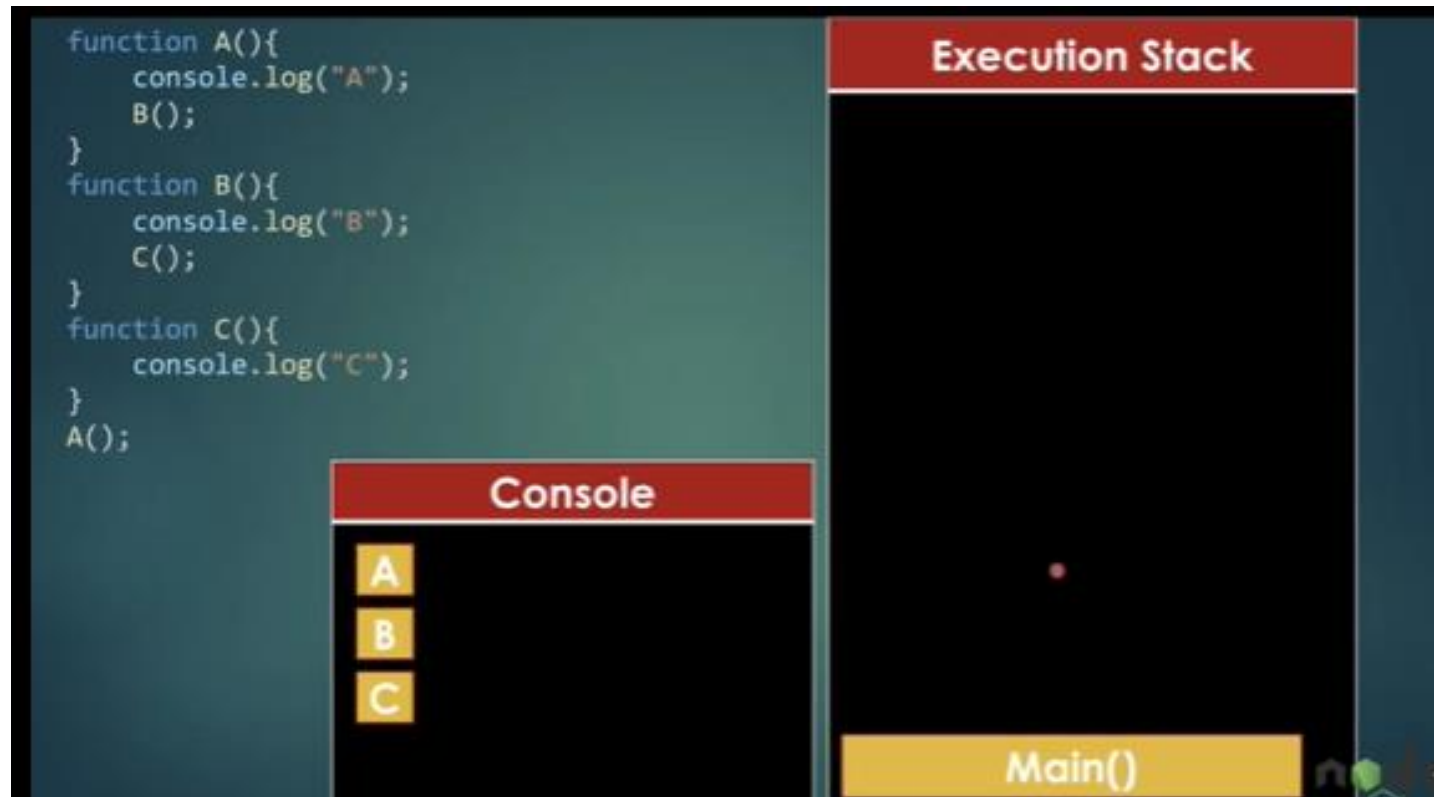
BEHIND JAVASCRIPT



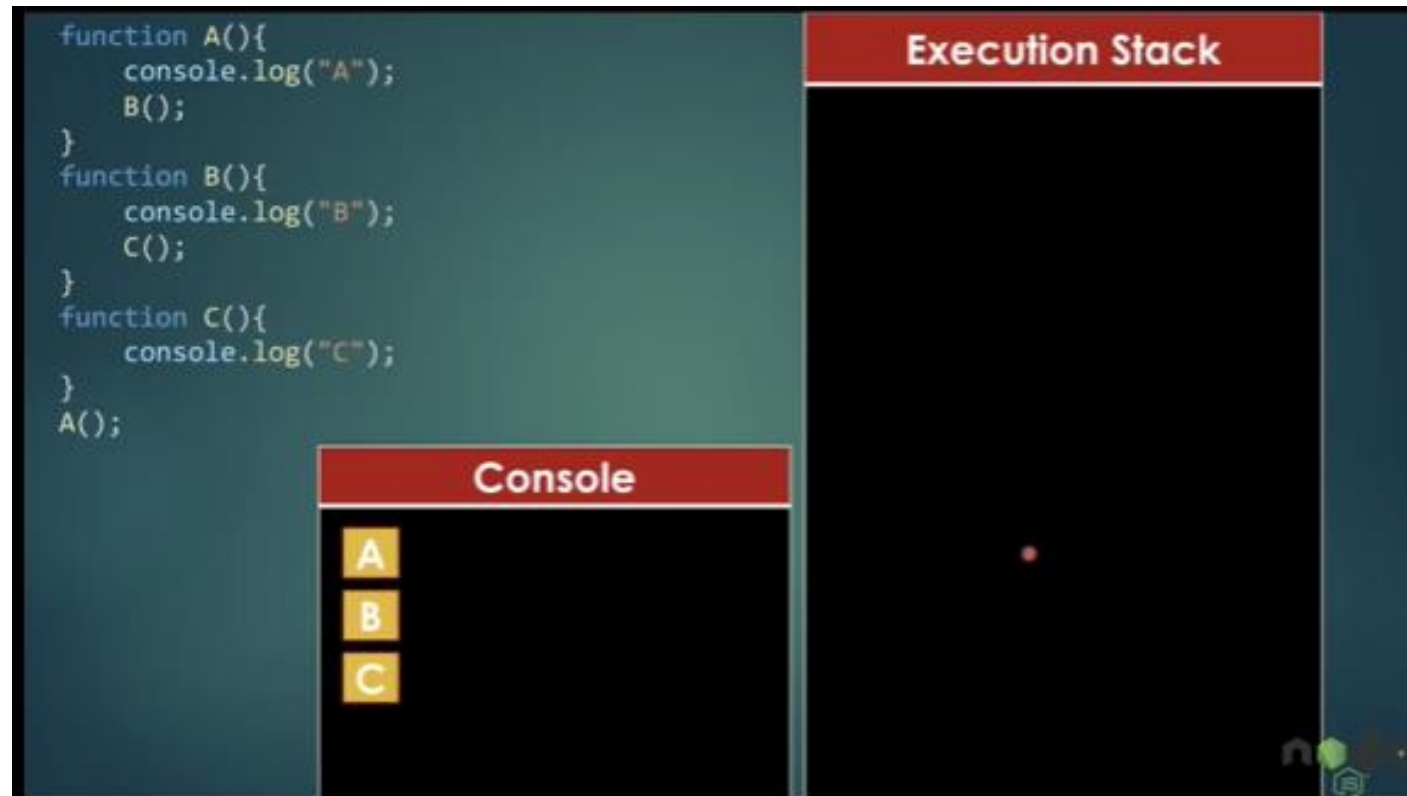
BEHIND JAVASCRIPT



BEHIND JAVASCRIPT



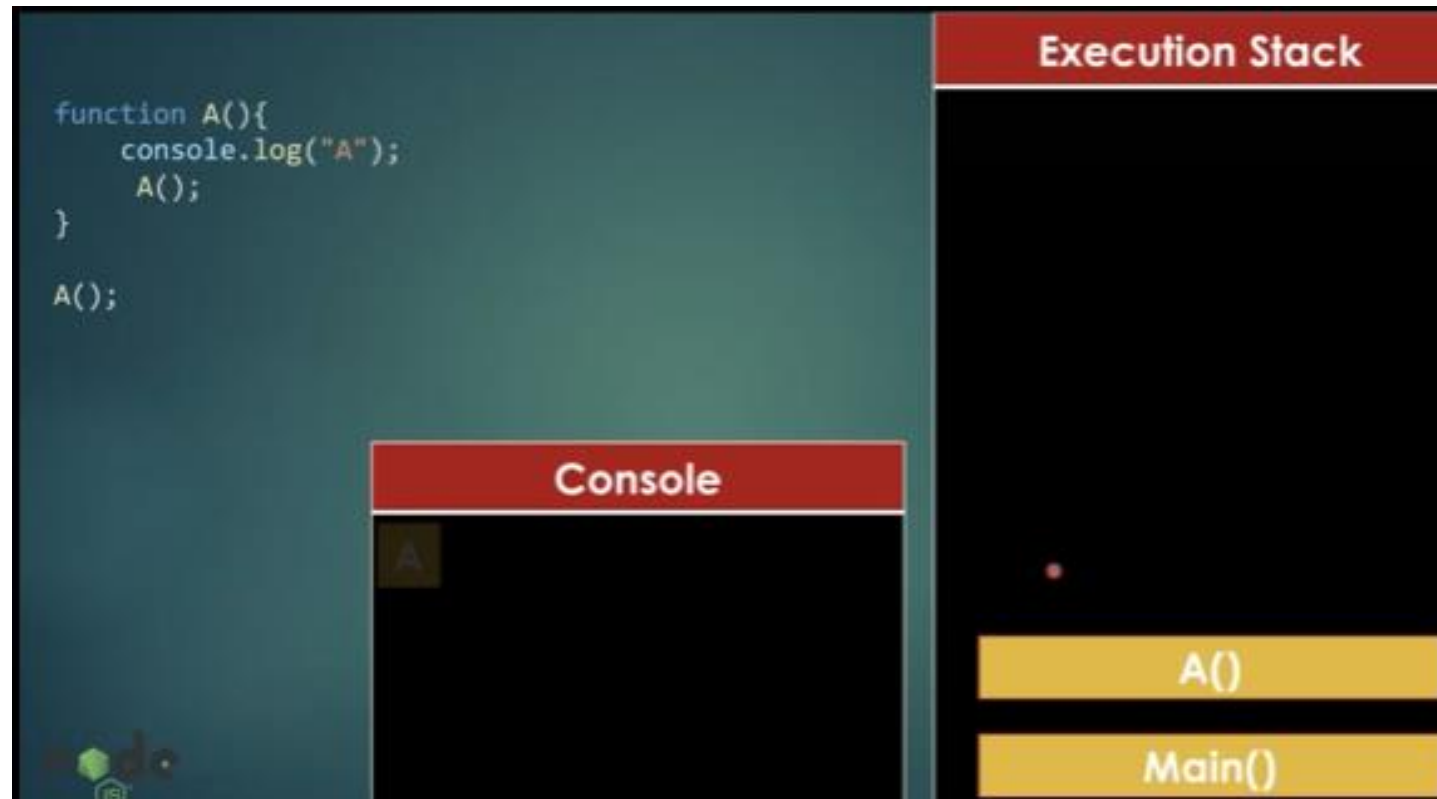
BEHIND JAVASCRIPT



BEHIND JAVASCRIPT



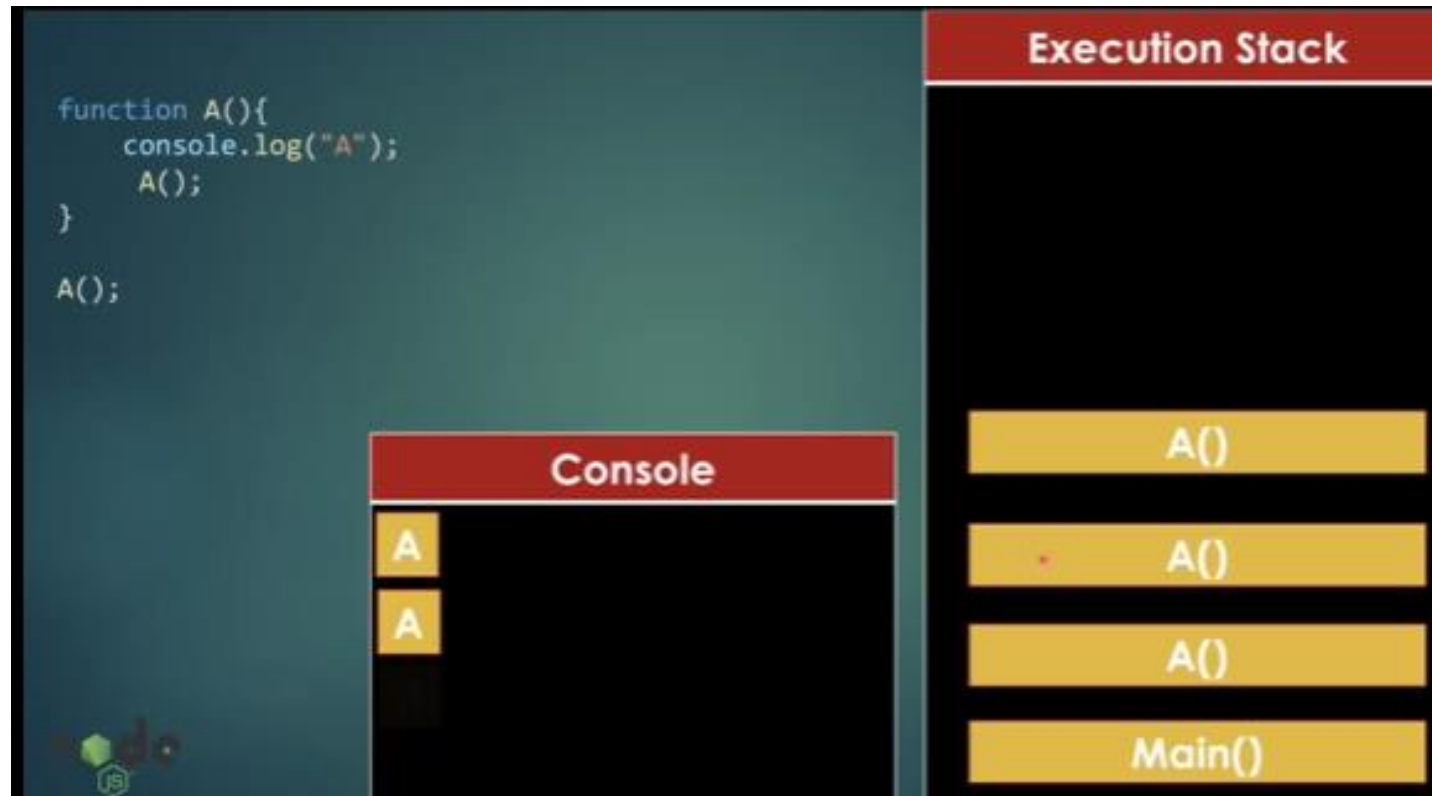
BEHIND JAVASCRIPT



BEHIND JAVASCRIPT



BEHIND JAVASCRIPT





EVENT LOOP



EVENT LOOP



EVENT LOOP



EVENT LOOP



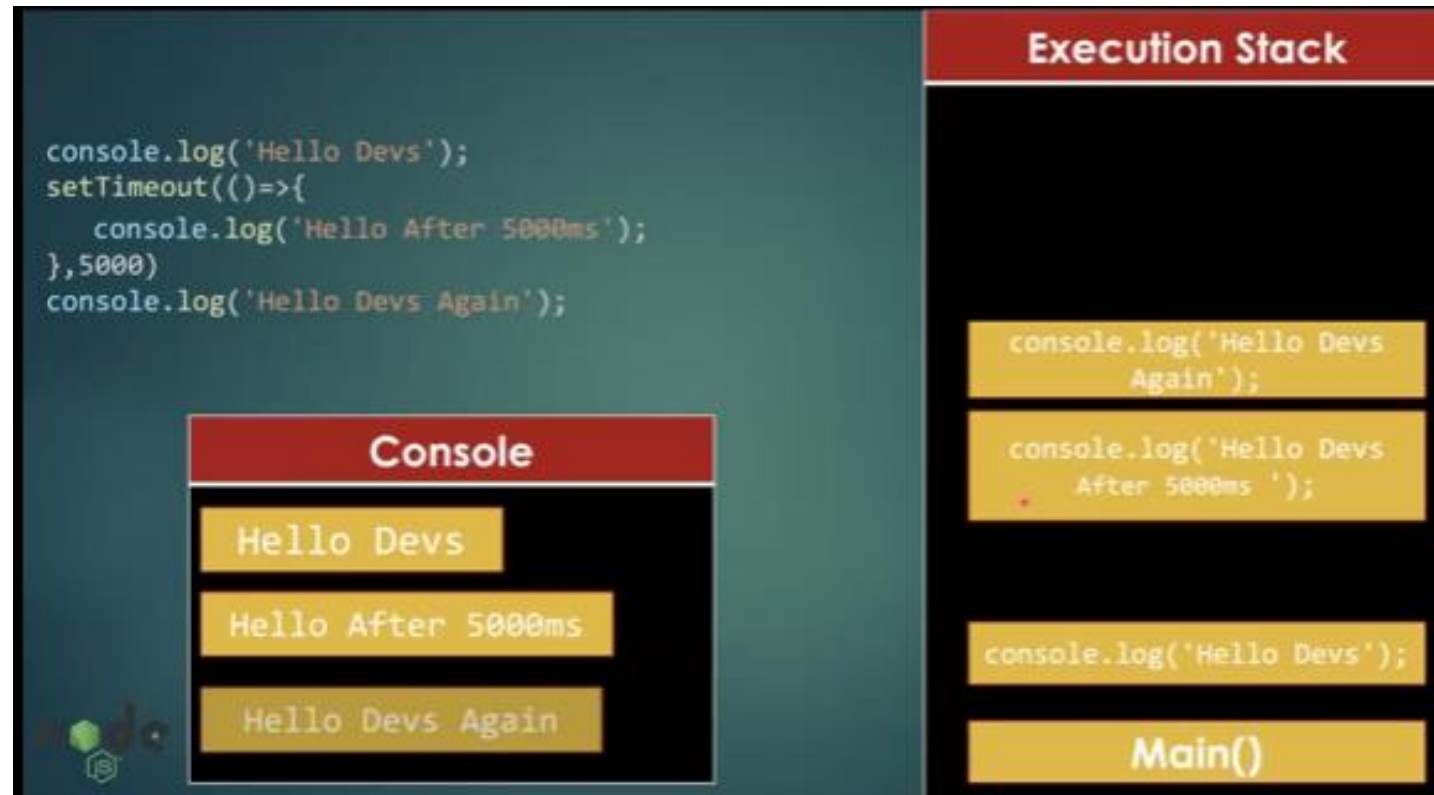
EVENT LOOP



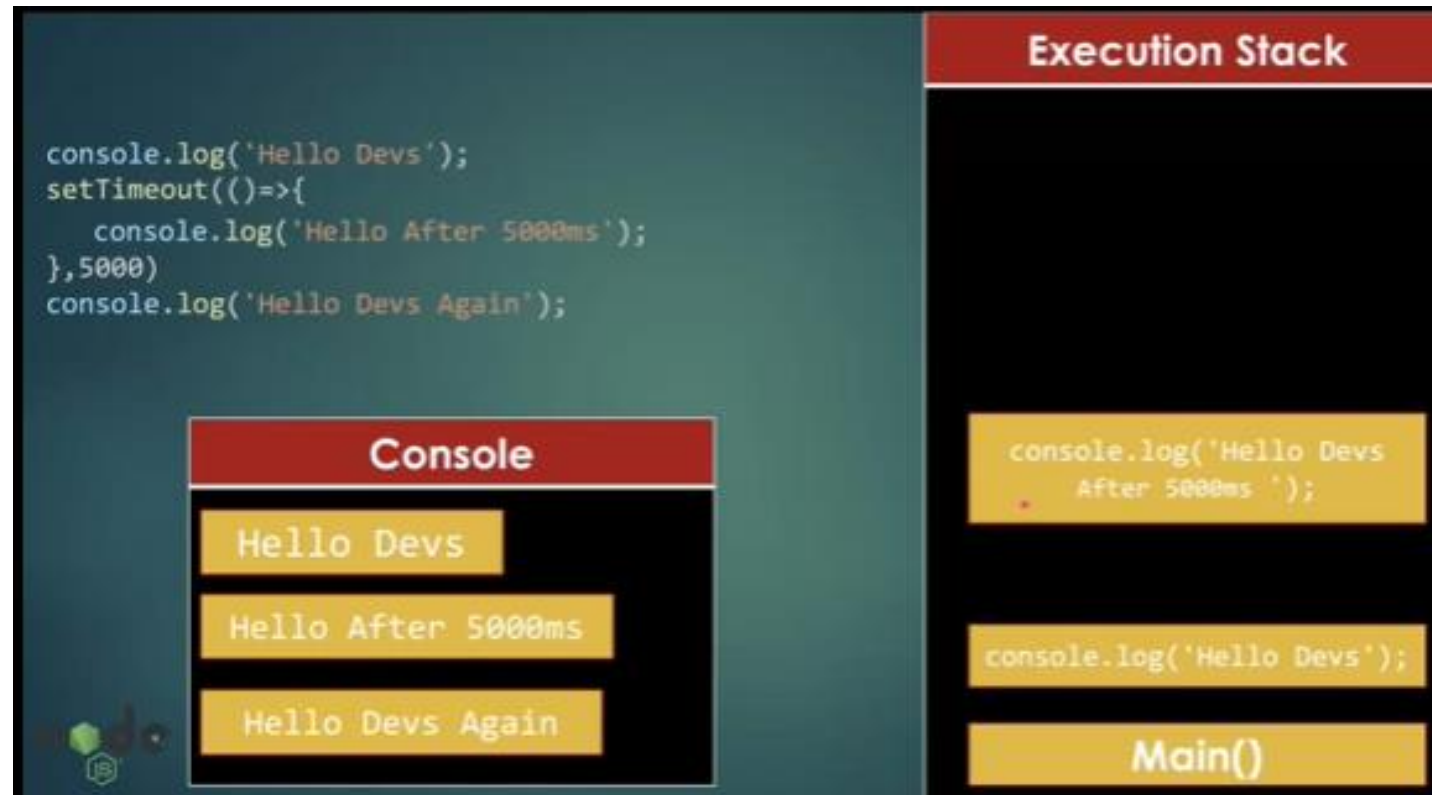
EVENT LOOP



EVENT LOOP



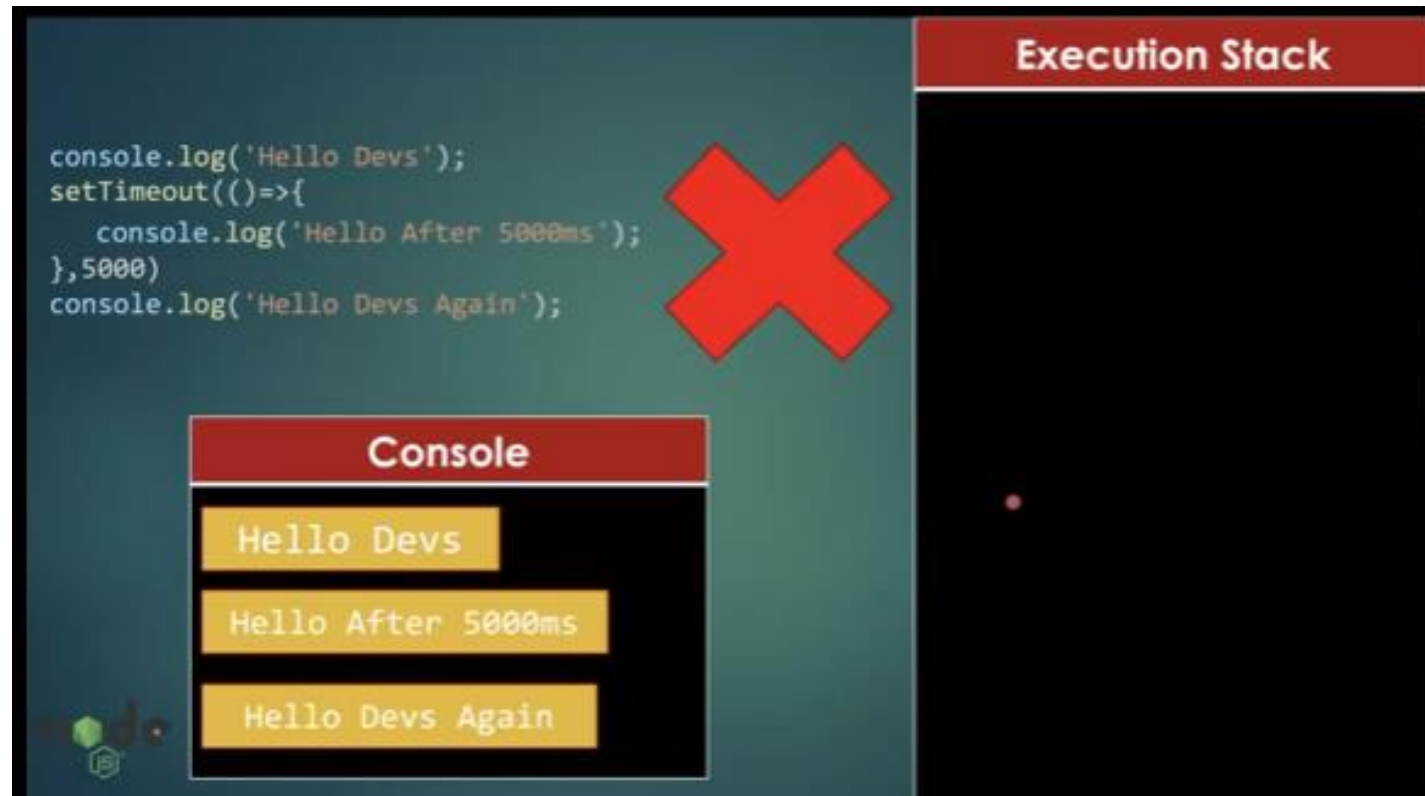
EVENT LOOP



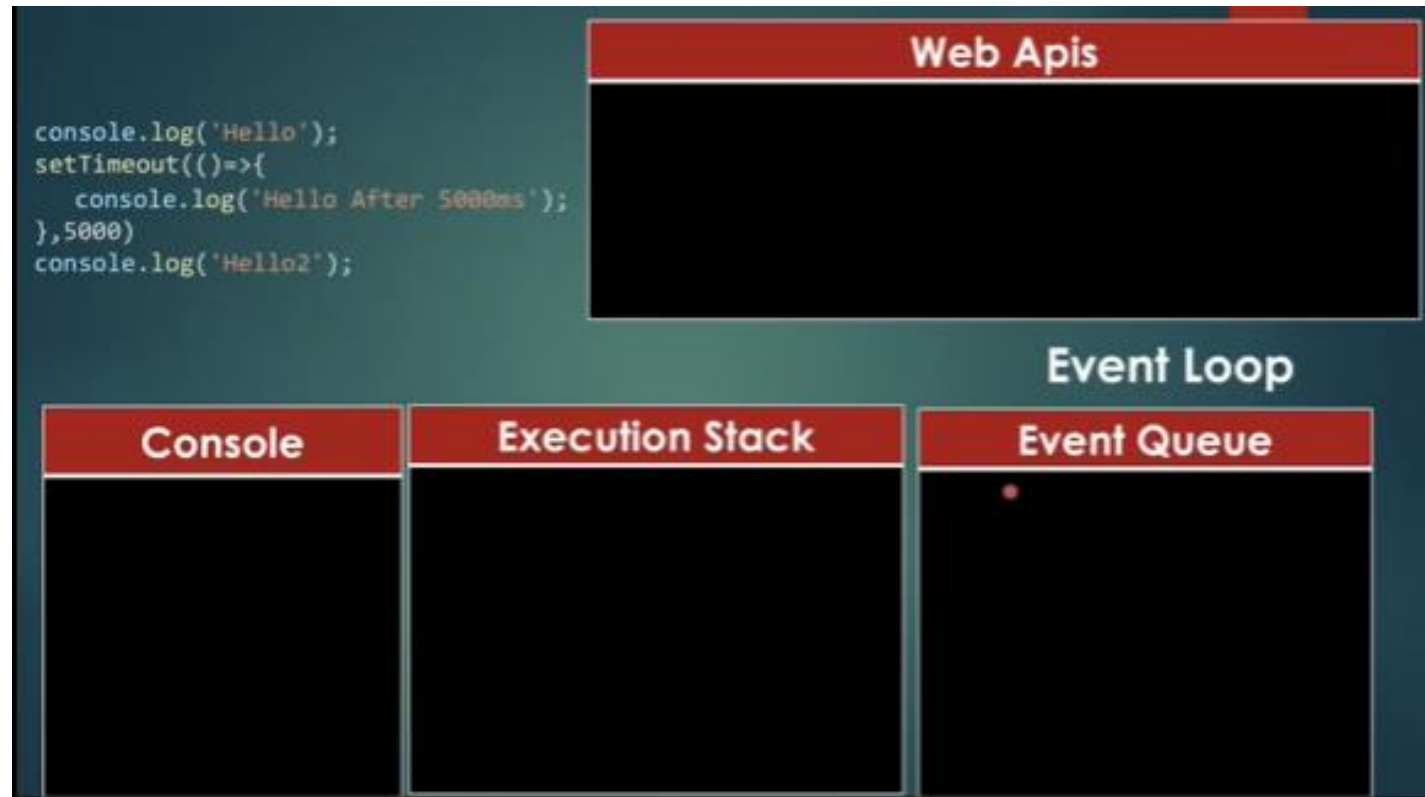
EVENT LOOP



EVENT LOOP



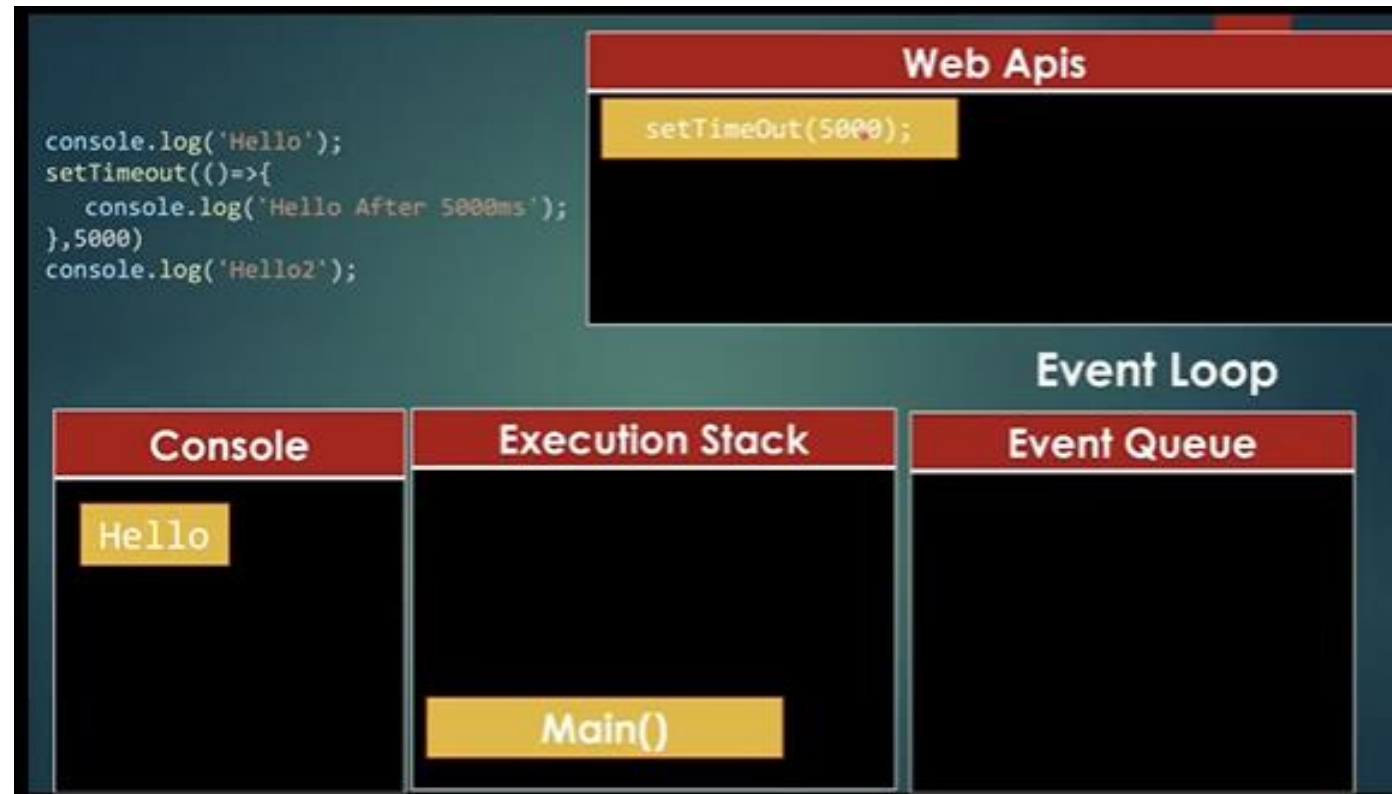
EVENT LOOP



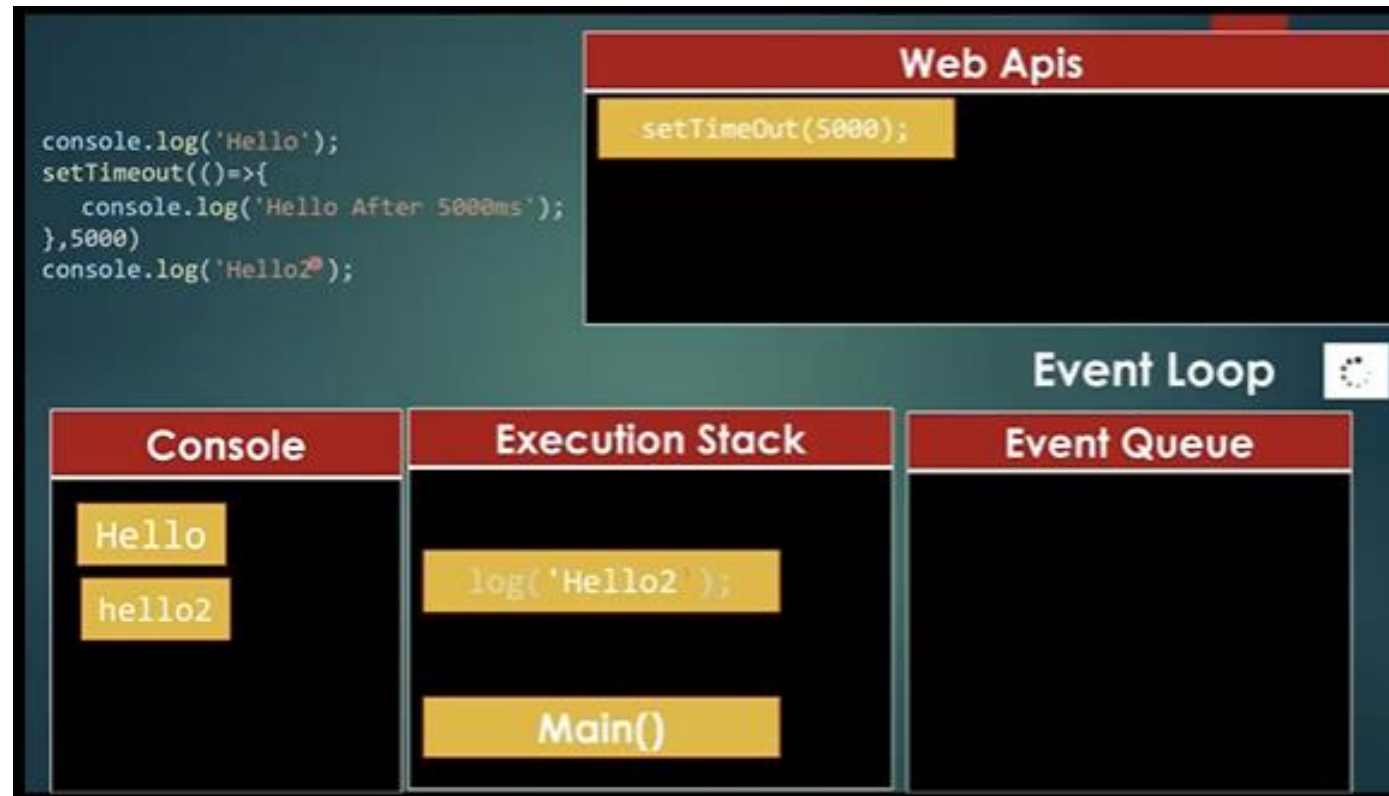
EVENT LOOP



EVENT LOOP



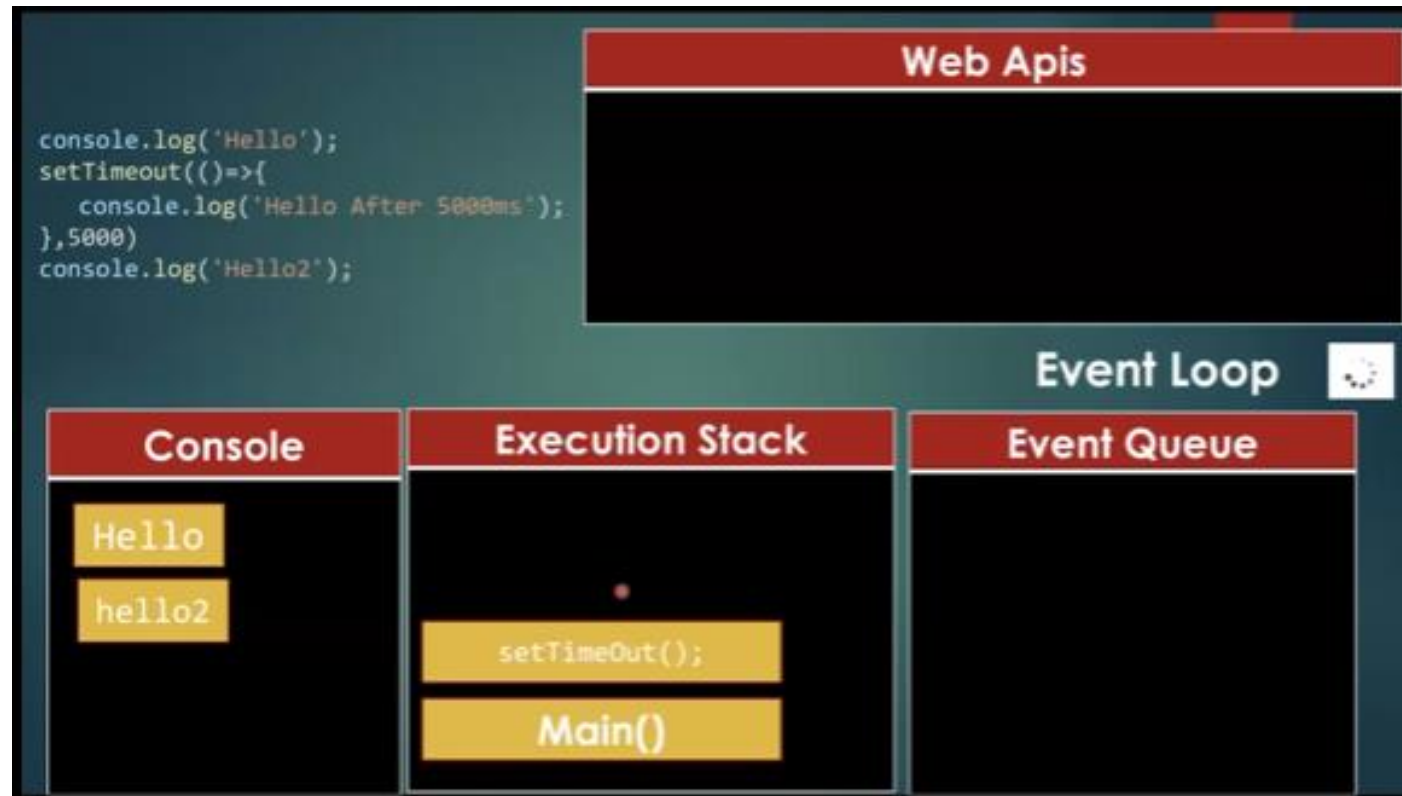
EVENT LOOP



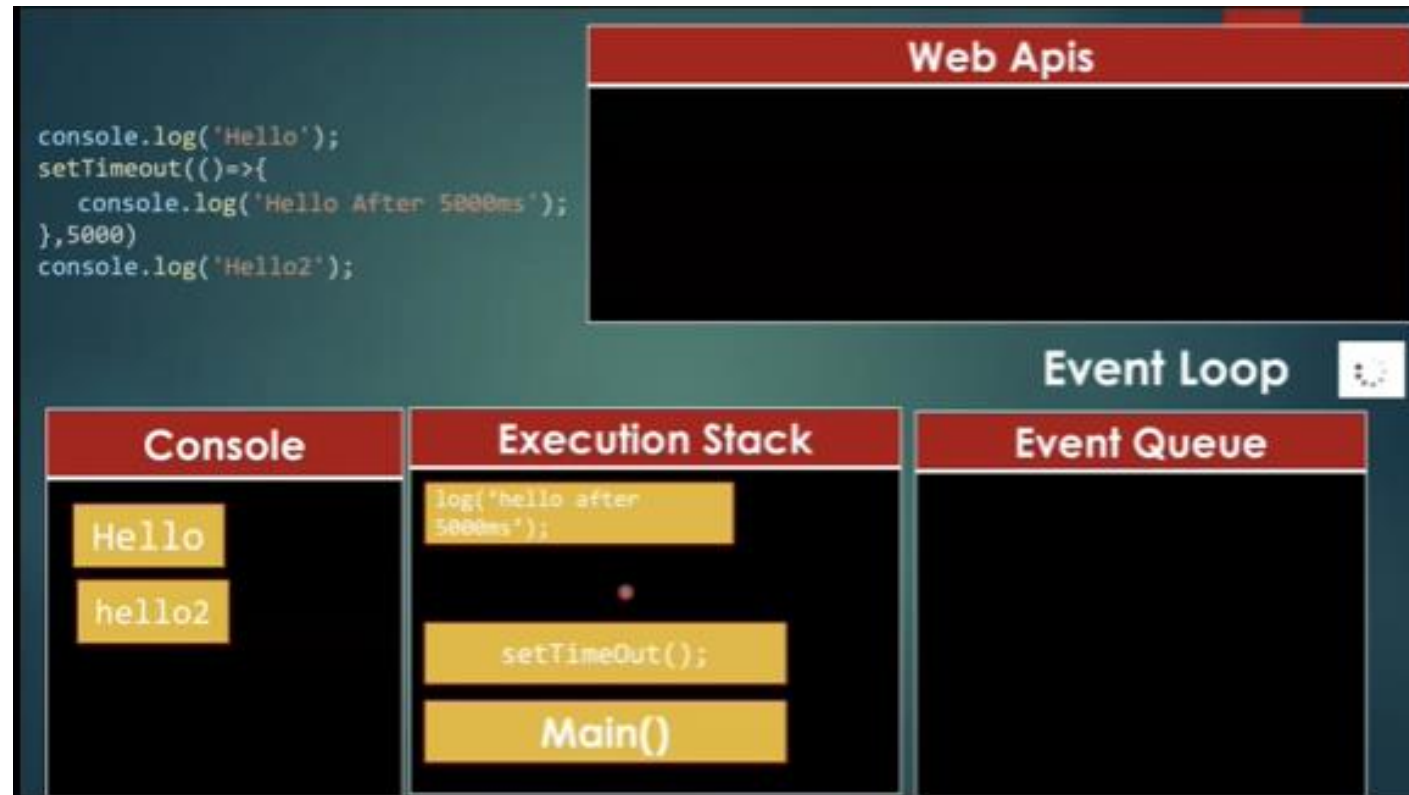
EVENT LOOP



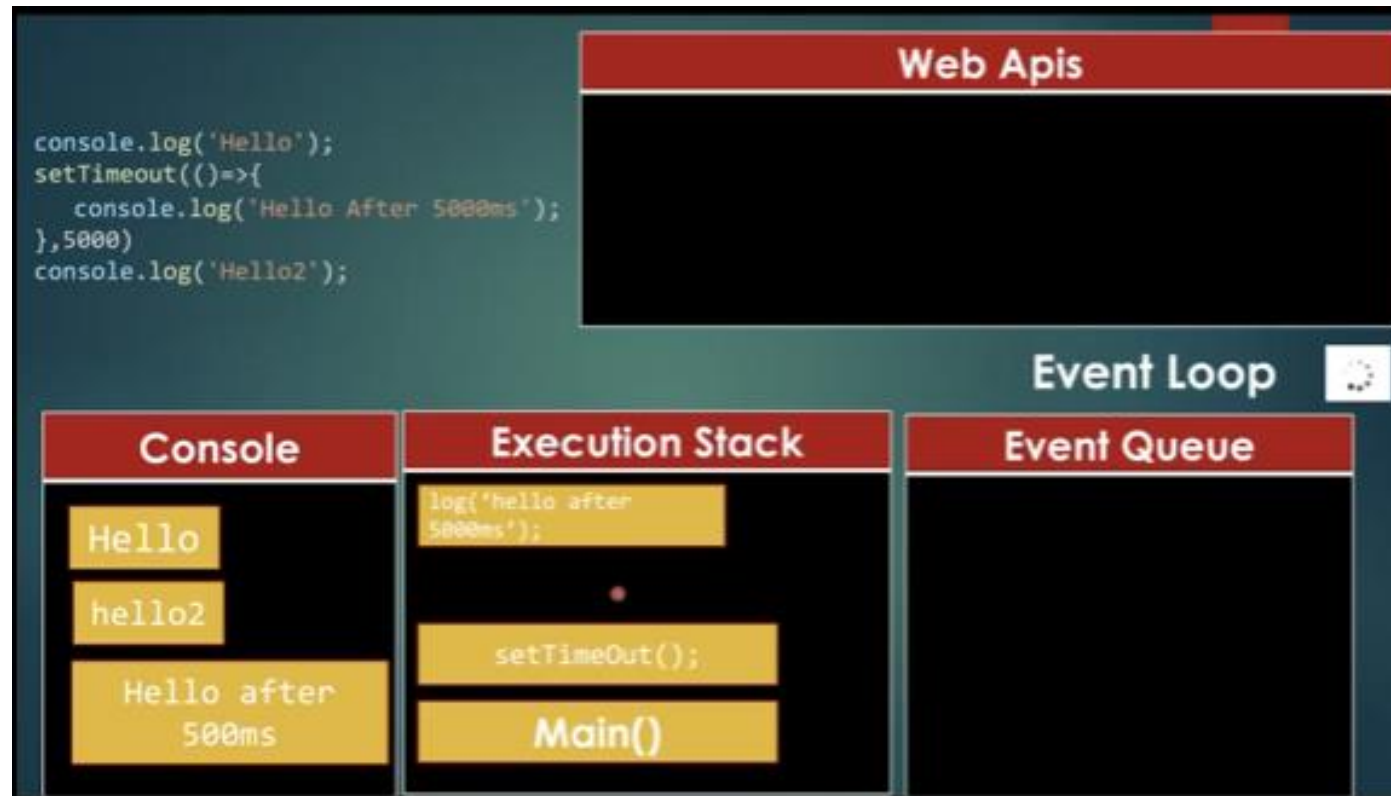
EVENT LOOP



EVENT LOOP



EVENT LOOP



P R O M I S E

- In JavaScript, a Promise is an object representing the eventual completion or failure of an asynchronous operation and its resulting value. It acts as a placeholder for a value that may not be available yet but will be resolved or rejected at some point in the future.
- Learn more from here: https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Promise

TASK

- Make a Gallery Website with this API:

<https://picsum.photos/v2/list>

Use fetch and promises

ASYNC/AWAIT

- async/await is a programming construct that simplifies writing asynchronous code, making it look and behave more like synchronous code. It uses the keywords `async` and `await` to handle asynchronous operations, specifically those involving promises, in a more readable and manageable way.
- Learn more from here: <https://www.geeksforgeeks.org/javascript/async-await-function-in-javascript/>

TASK

- Make a crud operations (Create, Read, Update, Delete) on this API:

<https://jsonplaceholder.typicode.com/posts>

Use fetch and async/await